

# Forty-fifth Annual Report

OF THE

BOARD OF TRUSTEES

OF

# The Ohio State University

TO THE

GOVERNOR OF OHIO

FOR THE

YEAR ENDING JUNE 30

1915

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PRESS OF  
OHIO STATE REFORMATORY  
1917

For the Annual Report

BOARD OF TRUSTEES

The Ohio State University

COLUMBUS, OHIO

1911



## ANNUAL REPORT OF THE PRESIDENT

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*Honorable JULIUS F. STONE, Chairman of the Board of Trustees,  
The Ohio State University.*

Dear Sir—I have the honor to present through you, to the Board of Trustees of the Ohio State University for the transmission to the Governor of Ohio, as required by law, the forty-fifth annual report of the President of the Ohio State University for the year ending June 30, 1915.

### THE BOARD OF TRUSTEES

With great sorrow it is my official duty to report the death of the Honorable John T. Mack, July 8, 1914. Mr. Mack was a graduate of Oberlin College and appointed to succeed the late Honorable Rutherford B. Hayes in 1892, and served continuously until his death, a period of 21 years. This long period of service was marked by conscientious devotion to the interests of the University and public spirit rarely excelled. Mr. Mack, well known throughout the State as the Publisher and Editor of the Sandusky Register, and a man of high personal character, gave unstintedly of his time and service to the needs of the University. Amid the changes so frequent it is unusual for men to serve so long a term, although the Board of Trustees of the Ohio State University has been one of the most stable organizations among the public institutions of the Commonwealth. The late Lucius B. Wing served 21 years and the late T. J. Godfrey served 25 years. The term of appointment being seven years, not infrequently men serve for two terms or for a fractional term in cases where vacancies are filled. This continuity of service is of the highest importance in the development of the University and the State should recognize through its Chief Executive Officer the supremacy of character and efficiency in such appointments. The gentlemen whose names already appear in this report have adorned the University by distinguished service and their reappointment from time to time was a matter in which Governors might take just pride.

The term of service of the Honorable Walter J. Sears as noted in the last report, expired May 13, 1914. Mr. Sears was an Alumnus of the University, served with efficiency and devotion and on the ground of his personal character, intelligent comprehension of the University's needs, and loyalty in service was entitled to reappointment.

To meet these two vacancies in the Board, Mr. John F. Cunningham of Cleveland, and Alumnus of the University and Editor of the Ohio Farmer, and Mr. John Kaiser, Marietta, a graduate of Marietta College, were appointed.

## THE FACULTY

*Resignations*

During the year, as usual, a considerable number of changes occurred.

Mr. A. B. Graham, for a number of years in charge of the Agricultural Extension work resigned to accept a position on Long Island.

Professor F. A. McKenzie, after ten years of service in the Department of Economics and Sociology, resigned to accept the Presidency of Fisk University.

Professor C. S. Duncan of the Department of English resigned in order to pursue his studies in another field and eventually change to work in Economics and Sociology.

Professor George Livingston resigned to accept a position in the U. S. Department of Agriculture at Washington, D. C.

Professor Alfred Dachnowski resigned from his position to engage in public service for the Government.

Thomas G. Youmans resigned from the College of Medicine.

A number of minor appointees as is customary resigned from time to time, record of which will be found in the minutes of the Board of Trustees.

The most important change in the Faculty was the retirement of Homer Charles Price from the Deanship of the College of Agriculture. During his term of service, which began in 1903, he acted as Dean and Professor of Rural Economics and Sociology. For some time the opinion had been growing in the Board of Trustees that Professor Price's talents fitted him better for a teaching than for an administrative position. The Trustees had intimated this opinion on different occasions and on March 30, 1915, passed a resolution expressing their judgment to this effect. Professor Price was requested to continue his services as Professor of Rural Economics and Sociology. This he declined to do. Accordingly his services terminated June 30, 1915.

Professor Price is a man of the highest personal character, warmly esteemed by those with whom he associates, and well equipped for service in Agriculture. It was a matter of profound regret in University circles that he did not see fit to continue in the service of the University as head of the Department of Rural Economics.

The unfortunate publicity through the newspapers was so unreliable as to leave a wholly wrong impression in the public mind as to the situation in the College of Agriculture. Such conditions seem to be inevitable and the University like all other public institutions must await the sober judgment of time and experience in justification of its own integrity of action.

*New Appointments*

The list of new appointments for the year, as shown by the Minutes of the Board of Trustees, is unusually long, due to the fact that this was the first year to operate the Colleges of Dentistry, of Homeopathic Medicine, and of Medicine. In addition to these, members of the hospital staffs also appear. In the ordinary course of events the most important appointments are those of Professor Samuel W. Brown, Head of the Depart-



ment of School Administration, Professor Charles F. Kelly, Head of the Department of Art, and Lieutenant Truman D. Thorpe, Assistant to the Commandant of Cadets.

### *Leaves of Absence*

The following persons were on leave of absence during all or part of the year, namely:

#### LEAVES OF ABSENCE FOR YEAR 1914-1915

- Miss Sara Barrows, Assistant Professor, Department of German. In Germany.  
 Professor J. A. Bownocker, Geology. Second Semester. Going west to study metaliferous deposits in the far west. 20th year of teaching.  
 Professor W. B. Cockley, Law. Study law at Harvard, and abroad.  
 Professor A. E. Davies, Philosophy. England. Has been in London.  
 Professor C. S. Duncan, English. Studying at the University of Chicago.  
 Instructor H. G. Heil, Physica. University of Chicago studying advanced Physics.  
 Professor O. C. Lockhart, Economics and Sociology. Making investigations. Work in Economics at various institutions.  
 Professor A. G. McCall, Agronomy. Baltimore—John Hopkins University.  
 Professor F. A. McKenzie, Economics and Sociology. Recently elected President of Fisk University at Nashville, Tenn.  
 Assistant Professor W. A. Starin, Bacteriology. Studying in University of Michigan, Ann Arbor.  
 Assistant Professor C. J. West, Mathematics. Studying at Columbia University.  
 Dr. Philip D. Wilson, College of Medicine. Granted leave March to August to go with Harvard Medical Exposition to the American Ambulance Hospital in Paris.  
 Dr. H. H. Snively, College of Medicine. Leave effective March 18, 1915 to engage in hospital service of the Russian Army.

For a number of years the custom of granting leaves of absence to a limited number of the Faculty has obtained. This custom has now been in operation long enough to justify a statement that the returns to the University in the way of increased efficiency and renewed interest in education have been ample warrant for the policy. The reasons for such leaves of absence will vary in individual cases but in the main the policy will be to encourage members of the Faculty during such leaves of absence to study the problems of education as developed in other institutions of learning, to pursue such further study in their own fields as will increase their efficiency and by travel and observation to gain that practical knowledge of the place of higher education in modern life which will enable them to be wise leaders and guides of students.

The year, so far as Faculty service is concerned, has been marked by no unusual misfortunes in the way of sickness. An unusual amount of time has been devoted to University problems as developed through Committees, Faculty meetings, and other academic organizations. It is inevitable that a large amount of time shall be consumed in the details of University organization. However, it is to be sincerely regretted that so much time is consumed and that more men of ability cannot be free to devote themselves and their energies to the development of scholarship

and to the teaching of students rather than to the mere noisy machinery of University organization. The most valuable asset in the University is the scholar and the teacher. Modern opinion, however has set it rather upon the President and the Dean or other Executive Officer. This judgment is erroneous and probably due to the fact that people regard publicity as desirable and probably to the fact that it is a good deal easier to persuade oneself that he is of importance while serving on a Committee than when he is rendering the service to education as expressed in the teaching process.

It is hoped that some day the Ohio State University will have the courage to put its supreme emphasis upon men who will be noted as scholars and teachers and thus elevate the position of Professor to its rightful place. The modern factory system has doubtless led many people to believe that Executive officers are more important than teachers. Accordingly many young men are ambitious to become Chairmen of Committees, Heads of Departments, or Deans, under the popular delusion that such activities are evidences of superior equipment. It would be an easy task in the experience of the Ohio State University to select men who have wrecked first-class possibilities as Professors to make doubtful records in Executive capacities. Popular sentiment both within and without the University needs a decisive corrective in this matter.

#### ENROLLMENT

As usual, the summary of enrollment and of degrees granted for the year is given in this report.

Graduate School .....	185	185
College of Agriculture—		
Undergraduates (Agr., Hort., Forestry, degree courses) .....	762	
Undergraduates (Home Economics, Degree Course) .....	236	
Undergraduates (Two year certificate courses) .....	62	
Undergraduates (Three year certificate course) .....	156	
		1,216
College of Arts, Philosophy and Science .....		1,078
College of Dentistry .....		126
College of Education .....		416
College of Engineering—		
Undergraduates (degree courses) .....	845	
Undergraduates (certificate courses) .....	22	
		867
College of Homeopathic Medicine .....		46
College of Law .....		212
College of Medicine .....		231
College of Pharmacy .....		94
College of Veterinary Medicine .....		185
Optometry .....		11
		4,667
Total .....		70
Names counted twice .....		
Net total (Academic Year) .....		4,597



## Summer Session 1914—

Graduate School .....	127	
College of Agriculture .....	84	
College of Arts.....	223	
College of Education .....	296	
Arts-Education .....	10	
College of Engineering.....	170	
College of Pharmacy .....	10	
College of Veterinary Medicine.....	6	
	<hr/>	926
Lake Laboratory 1914 .....		14
Winter Course in Agriculture 1915.....		187
		<hr/>
Total.....		5,724
Names counted twice.....		392
		<hr/>
Grand net total for year.....		5,332

## DEGREES

At the commencement held on June 16, 1915, the University granted a total of 834 degrees and certificates. These were distributed as follows:

Graduate School .....	67
College of Agriculture .....	190
College of Arts, Philosophy and Science.....	154
College of Dentistry.....	32
College of Education.....	65
College of Engineering.....	108
College of Homeopathic Medicine.....	18
College of Law.....	24
College of Medicine.....	44
College of Pharmacy.....	7
College of Veterinary Medicine.....	48
Total .....	<hr/> 757

In addition to the degrees granted, certificates for the completion of courses not leading to degrees were granted as follows:

College of Law.....	18
College of Pharmacy.....	23
Total .....	<hr/> 41
Degrees granted during present academic year.....	36
Total number of degrees and certificates granted for the year ending June 30, 1915 .....	834

A glance at the above statistics and a comparison with the similar report for the previous year will show a net enrollment of 5332 as against 4435. It should be observed that for the first time the statistics for Medicine and Dentistry appear and those totals should be subtracted from the grand net total in order to make a just comparison as to the actual growth in the University. Making due allowance for all this it is evident that the increased enrollment is not due to any one cause. The rising tide of education in Ohio, the increased financial ability of the people to educate their

children and the well defined belief of the necessity of education for effective citizenship all unite to bring about the result. Other causes will, of course, appear in individual cases. More marked than the increase in enrollment is the increase in the number of degrees granted. The total number has changed from 640 to 834. The summer session provides an opportunity for a number of people to complete their work for degrees but aside from this there is gratifying evidence that an increasing number of students continue straight through from Freshman to Senior years. It is a matter of common observation that Senior classes are very much smaller than Freshman classes, but it is gratifying to note that the disparity between these classes is decreasing. There seems to be no prospect of a decline in student attendance but every reason to believe that the University enrollment will maintain itself with a probable increase for some years to come.

### SUMMER SESSION 1915

Following the usual custom, the statistical report for the Summer Session for 1915 is given in this report in order that the facts may be available at an earlier date. The comparison is for 1913-1914-1915.

#### TOTAL ATTENDANCE

	1913	1914	1915
At Columbus .....	673	928	1,010
At Lake Laboratory .....	31	14	19
Total .....	704	942	1,029

#### COLLEGIATE DISTRIBUTION

College of Agriculture .....	53	83	105
College of Arts, Philosophy and Science .....	229	238	238
College of Dentistry .....	2	....	1
Applied Optics .....	....	16	2
Arts-Education .....	....	....	35
College of Education .....	150	283	331
College of Engineering .....	134	167	141
College of Pharmacy .....	4	10	7
College of Veterinary Medicine .....	6	6	6
Graduate School .....	95	125	414
	673	928	1,010

#### OCCUPATION OF STUDENTS

College Instructors .....	21	25	25
High School Superintendents .....	23	50	40
High School Principals .....	13	30	33
High School Teachers .....	226	310	229
College Students .....	359	420	516
Miscellaneous .....	....	35	36
Unclassified .....	31	58	141
Total .....	673	928	



## PREPARATION OF STUDENTS

Holding Degrees .....	175	244	240
Collegiate.....	496	684	770
Below Collegiate .....	2	0	0
Total.....	673	928	1,010

The enrollment for the Summer Session, like the general University enrollment, steadily increases. A glance at the statistics will show that the Summer Session is reaching an advanced grade of students, including a considerable number of teachers in Colleges, Superintendents and Principals of schools. This increase has developed without in any way decreasing the service of the Session to College students not engaged in the service of teaching. The Summer Session stands squarely upon the principle of requiring fifteen units for entrance and thus making it distinctly of College or University grade. It is believed that the University owes it to the State to maintain a Summer Session of this sort and not to undertake the work so admirably done in summer schools elsewhere for students not fitted for College and for teachers in the grades. It is of utmost importance that all this work should be done but the University is in a position to render a service for advanced students as perhaps few other institutions are and is disposed therefore to confine its activities to this field. The statistics which show the number of persons holding degrees and the number of persons enrolling in the Graduate School will justify this policy and should attract to the Summer Session from year to year students of advanced standing.

## SOCIAL STATISTICS

Following the custom which has obtained for some years, there are statistics on occupations and religious affiliations presented in this report. It should be understood that these statistics are furnished voluntarily by the students before they enter the University and that the classification is intended to be just as the students furnish them. The purpose of this is to reveal the service the University renders to the various industries and occupations of the people. As is well known, this University, like all the land grant colleges, was founded among other purposes, "to furnish a liberal education for the industrial classes." The question is often raised whether institutions of higher learning are ministering to the great masses of the people. These occupational and religious statistics will reveal very clearly that the students of the Ohio State University come from practically all the activities of modern life and represent all phases of religious beliefs. In every report a small number fail to fill in these statistics, a matter to be regretted, but it is appropriate to say that they are never used in any personal way but exclusively for the purposes named in this report.

## RELIGIONS

Adventist.....	1
Baptist.....	217
Catholic.....	291
Chinese Church.....	1
Christian.....	197
Christian Science.....	22
Christian Union.....	7
Church of Christ.....	48
Church of God.....	5
Church of the New Jerusalem.....	1
Congregational.....	289
Disciple.....	51
Dunkard.....	2
Episcopal.....	202
Evangelical.....	60
Friends.....	11
Gospel.....	1
Greek Oriental.....	1
Greek Protestant.....	1
Gregorian.....	1
Hebrew.....	106
Lutheran.....	303
Mennonite.....	6
Methodist.....	1577
Moravian.....	2
Mormon.....	2
New Church.....	1
Presbyterian.....	812
Progressive Brethren.....	2
Protestant.....	24
Quaker.....	16
Reformed.....	126
Spiritualist.....	1
Unitarian.....	15
United Brethren.....	128
United Presbyterian.....	54
Universalist.....	29
Zion.....	2
None given.....	282

## OCCUPATIONS

Bankers.....	42
Barbers.....	15
Blacksmiths.....	19
Brokers.....	7
Business men.....	16
Butchers.....	14
Cabinet makers.....	8
Carpenters.....	78
Cartoonist.....	1
Chemist.....	3
Coal dealers and oil producers.....	43
Contractors.....	91
Dairymen.....	21
Decorators and painters.....	30
Dentists.....	28
Detective.....	1
Druggists.....	41
Dyers and cleaners.....	2
Editors and newspaper men.....	20
Electricians.....	8
Engineers.....	86
Farmers.....	1219
Foremen.....	50
Gardeners and florists.....	5
Government and city employees.....	179
Grain and lumber dealers.....	31
Grocers.....	59
Harness makers.....	6
Hotel and restaurant keepers.....	10
Insurance agents.....	48
Inventor.....	1
Iron moulders.....	19
Janitors.....	8
Jewelers.....	18
Laborers.....	56
Laundry men.....	7
Liquor dealers.....	13
Live stock dealers.....	18
Livery and teamsters.....	20
Machinists.....	42
Manufacturers.....	130
Mechanics.....	39
Merchants.....	361
Millers.....	15
Miners.....	7
Ministers.....	95
Musicians.....	7
Opticians.....	3
Physicians, surgeons, nurses.....	151
Plumbers.....	10
Printers.....	19
Railroad employees.....	120
Real estate agents.....	67
Retired.....	85

Accountants, book-keepers, clerks.....	90
Actor.....	1
Agents.....	16
Anti-Saloon League worker.....	1
Architects.....	10
Artisans.....	13
Artists.....	7
Assayer.....	1
Attorneys and judges.....	116
Bakers.....	5



Riverman .....	1	Teachers and Professors.....	96
Salesmen .....	165	Telegraph operators.....	4
Secretaries and treasurers .....	30	Tinners .....	6
Shoemakers .....	3	Undertakers .....	5
Superintendents and managers....	152	Veterinarians .....	6
Tailors ....	28		
Tanners .....	2	None given .....	647

## APPROPRIATIONS

In the report for the year ending June 30, 1914, there appeared the appropriation bill and the distribution of that bill as made by the Board of Trustees during the month of June, 1914 for the academic year of 1914-1915. Of necessity some amendments and adjustments of these appropriations were made from time to time. There is included in this report therefore the appropriation bill for the year 1915-1916 and distribution of that money as provided for by the Trustees.

The State of Ohio has changed its fiscal year so as to close on June 30, 1915. This brings the legislative year and the academic year into harmony. The important consideration for the University will be that hereafter all unused appropriations not contracted for will lapse. It is believed that this adjustment of the academic and the fiscal year will, however, lead to a distinct advance in the finances of the State and of the University. The budget system as introduced has already shown advantages in bringing to the Finance Committees a clearer apprehension of the needs of the University and of the reasons underlying many appropriations that hitherto were not so easily discernible. The fact remains, however, that this increased machinery has brought additional expense to the University in its administrative features and makes the overhead charges in administrative offices heavier than heretofore. Eventually it may lead to distinct economies in the State service but it will probably lead to an increased appreciation of the service rendered by the University since it will demonstrate the efficiency of the money expended. It should never be forgotten that a University is a money spending institution, not a money making institution. Its chief function being education, it is concerning itself not with the earning or making of money but with a wise, economic and efficient expenditure of the same.

The University should be held to a strict account both for its efficiency and for its expenditures. Full publicity and careful examination of University expenditures are essential for preventing abuses liable to arise in any institution expending large amounts of money. The State has been increasingly generous in its appropriations to the University and has steadily widened its field of service and usefulness. Every year therefore, brings added emphasis upon the importance of scrutinizing carefully its expenditures in order that the appropriations may not only be justified but increased when necessary. The service demands therefore that all University officials

having to do with the administration of its funds shall be persons of approved efficiency, of unquestioned integrity and of loyalty to the interests of the State as represented in the University. It is gratifying to report that whenever investigation or examination has been made upon the use of appropriations and accounting for the same, the University administration has been warmly commended.

# GENERAL APPROPRIATION BILL

From February 15, 1915 to June 30, 1915.

## Personal Service—

### A-1 Salaries:

President .....	\$ 2,625 00
Business Manager .....	1,875 00
Executive Clerk .....	562 50
Purchasing Agent .....	750 00
Superintendent of Maintenance and Operation .....	937 50
Dean of Women .....	900 00
Registrar .....	825 00
Secretary Entrance Board .....	825 00
University Architect .....	862 50
Other salaries for administration .....	29,046 75
Salaries Professors and other officers and employees of the instructional force .....	261,214 50
Salaries for upkeep and improvement of Physical Plant ...	13,368 50
Total .....	\$313,792 25

### A-2 Wages:

Plumbers, Painters, Tinner sand other temporary employees	\$ 20,000 00
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### A-3 Unclassified:

For lectures, officers in Military Department etc.....	5,400 00
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Total Personal Service .....	\$339,192 25
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## Maintenance—

### C Supplies:

C- 3 Fuel .....	\$ 12,700 00
C- 4 Office .....	1,500 00
C- 8 Educational and Recreational .....	30,000 00
C- 9 Botanical and Agricultural .....	250 00
C-11 General Plant .....	21,062 00
Total .....	\$ 65,512 00

### D Materials:

D-1 Highway—Road Oil, etc .....	200 00
D-3 General Plant—Lumber, paint, hardware, plumbing, electrical, etc .....	3,800 00
Total .....	\$ 4,000 00

## E- Equipment—

E-4 Livestock—For Animal Husbandry Department .....	\$ 500 00
E-8 Educational and Recreational—Equipment for various departments including books for Library .....	18,000 00
E-9 General Plant .....	19,000 00
Total .....	\$ 37,500 00



## F- Contract and Open Order Service—

F-1 General Repairs.....	\$ 3,997 00
F-6 Transportation, .....	235 00
F-7 Communication .....	1,000 00
F-9 General Plant—	

Expense of Summer School and Miscellaneous..... 52,000 00  
 All monies appropriated by the U. S. Government under the Morrill Act of 1890 and the Nelson Amendment of 1907 and the Smith-Lever Agricultural Extension Act, which may be received prior to July 1, 1915.

Total..... \$ 57,232 00

## G- Additions and Betterments—

## G-2 Structures and Parts—

Greenhouse, Botany & Zoology Bldg.....	\$ 5,765 00
Greenhouses, Horticulture & Forestry Bldg.....	10,000 00

Total..... \$ 15,765 00

## H- Fixed Charges and Contributions—

H-7 Insurance .....	\$ 1,183 15
H-8 Contributions—Endowment bequeathed for specific purposes.	3,030 00

Total..... \$ 4,213 15

## I- Rotary Fund. For the maintenance of the veterinary clinic, dental clinic, homeopathic clinic, laboratory supply store, general store room, journalism mechanics and laundry; and all monies donated by individuals for specific purposes.

Total Maintenance..... \$184,242 15

Total Appropriations..... \$523,434 40

## AGRICULTURE EXTENSION, COW TESTING AND BIOLOGICAL SURVEY

## Personal Service—

## A-1 Salaries:

Supervisor.....	\$ 750 00
Supervisor Publications.....	1,031 25
Director .....	1,125 00
Assistant .....	662 50
14 Instructors.....	8,055 00
4 Stenographers.....	945 00
State Leader.....	1,125 00
12 County Agents .....	7,799 18
12 Clerks .....	2,700 00
Cow Testing Clerk .....	270 00
Director of Biological Survey .....	112 50
Total .....	\$ 24,575 43

## A-3 Unclassified:

Extension Lectures.....	\$ 400 00
Collecting Specimens .....	100 00
Assistant Cow Testing .....	100 00
Total.....	\$ 600 00
Total Personal Service .....	\$ 25,175 43

## Maintenance—

## C- Supplies:

C- 4 Office Supplies .....	\$ 5,380 00
C- 11 General Plant .....	450 00
Total .....	<u>\$ 5,830 00</u>

## E- Equipment:

E-1 Office .....	\$ 700 00
E-9 General Plant .....	35 00
	<u>\$ 735 00</u>

## F- Contract and Open Order Service:

F-6 Transportation .....	\$ 2,650 00
F-7 Communication .....	400 00
F-9 General Plant.....	800 00
	<u>\$ 3,850 00</u>

Total Maintenance..... \$ 10,415 00

Total Appropriation..... \$ 35,590 43

## APPRPRIATIONS

## GENERAL APPROPRIATION BILL

From February 15, 1914 to February 15, 1915

## Personal Service—

A-1 .....	\$ 84,620 00	
B-1 .....	11,850 00	
	<u></u>	\$ 96,470 00

## Maintenance—

C- 3 .....	\$ 25,285 00	
C- 4 .....	2,562 50	
C- 8 .....	156 00	
C- 9 .....	642 60	
C-10 .....	16 20	
C-11 .....	7,030 00	
	<u></u>	\$ 35,692 30
D-1 .....	\$ 500 00	
D-3 .....	7,000 00	
	<u></u>	\$ 7,500 00
E-1 .....	\$ 400 00	
E-4 .....	3,000 00	
E-5 .....	198 00	
E-8 .....	53,800 00	
E-9 .....	27,000 00	
	<u></u>	\$ 84,398 00
F- 1 .....	\$ 10,000 00	
F- 3 .....	8,160 00	
F- 4 .....	9,902 70	
F- 6 .....	3,200 00	
F- 7 .....	250 00	
F- 8 .....	25,000 00	
F-10 .....	102,842 00	
	<u></u>	\$159,354 70
H .....		\$286,945 00
		<u>42,000 00</u>
		\$425,415 00



## SUNDRY APPROPRIATION BILL

Extentsion Tunnel System .....	\$ 7,653 00	
Summer Session 1914.....	5,000 00	\$ 12,653 00
		<hr/>
		\$438,068 00

The Board of Trustees distributed the above appropriations in accordance with the following classification:

## ANALYSIS OF APPROPRIATION BILL BY CLASSIFICATION IN PRESENT USE

## SALARIES A-1

General Budget .....	\$35,000 00	
Teacher's Contingency.....	10,000 00	
College of Agriculture.....	15,000 00	
		<hr/>
		\$ 60,000 00

## BETTERMENT OF BUILDINGS

## Wages B-1

2 Carpenters.....	\$ 2,200 00	
1 Painter.....	900 00	
1 Tinner.....	960 00	
Materials D-3 .....	7,000 00	
Painting, Plumbing, wiring, F-8.....	8,000 00	
Heater and paint brushes, E-9 .....	215 00	
		<hr/>
		\$ 19,275 00

## ROADS AND GROUNDS

## Wages B-1

4 Campus Men.....	\$ 2,640 00	
Care of Shrubs.....	250 00	
Extra Labor.....	50 00	
		<hr/>
		\$ 2,940 00

Grass seed, fertilizer, shrubs, C-9.....	642 60	
Gasoline for mower, C-10.....	16 20	
Oil, etc., C-11 .....	30 00	
Highway materials, D-1.....	500 00	
Motorless vehicles, E-5.....	48 00	
Concrete mixer, E-9.....	500 00	
Sidewalks, F-8.....	6,394 90	
Roads, F-8.....	4,800 00	
		<hr/>
		\$ 15,871 70

## SUMMER SESSION

## Salaries

Original bill.....	\$ 9,400 00	
Sundry bill .....	5,000 00	

## Current expense

Wages B-1.....	\$ 250 00	
Office supplies, C-4 .....	200 00	
Ed. & Rec. supplies, C-8 .....	150 00	
		<hr/>
		\$ 600 00

\$ 15,000 00

## GRADUATE SCHOOL

Salaries .....	\$ 2,500 00
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## MILK TESTING

Salaries, A-1 .....	\$	720 00	
Wages, B-1 .....		400 00	
Current expense			
Office Supplies, C-4 .....	\$	250 00	
Transportation, F-6 .....		580 00	
Communication, F-7 .....		250 00	
		<u>1,080 00</u>	
			\$ 2,200 00

## AGRICULTURAL EXTENSION

Salaries .....	\$	7,000 00	
Current Expense			
Office Supplies, C-4 .....	\$	1,200 00	
Gen. Plt. Supplies, C-11 .....		2,000 00	
Gen. Plt. Equip., E-9 .....		2,000 00	
Transportation, F-6 .....		2,022 50	
Gen. Plt. Service, F-8 .....		4,000 00	
		<u>11,222 50</u>	
			\$ 18,222 50

Dean—College of Agriculture, A-1 .....	\$	5,000 00
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## POWER HOUSE EQUIPMENT, E-9

Generating Unit .....	\$	11,500 00	
Heater .....		1,000 00	
Stoker .....		5,000 00	
		<u>17,500 00</u>	
			\$ 17,500 00

## WINTER COURSE IN AGRICULTURE, B-1

Wages .....		3,000 00
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## BIOLOGICAL SURVEY

Current Expense			
Wages, B-1 .....	\$	800 00	
Office Sup., C-4 .....		812 50	
Ed. & Rec. Sup., C-8 .....		6 00	
Transportation, F-6 .....		222 50	
Ed. & Rec. Equip., E-8 .....		15 00	
		<u>1,856 00</u>	
			\$ 1,856 00

## HIGHWAY ENGINEERING

Current Expense			
Wages .....	\$	400 00	
Office Supplies, C-1 .....		100 00	
Transportation, F-6 .....		375 00	
		<u>875 00</u>	
			\$ 875 00

## COAL AND GAS, C-3

Coal .....	\$23,250 00		
Gas .....	2,035 00		
	<u>25,285 00</u>		
			\$ 25,285 00

WATER .....	8,160 00
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## HORTICULTURE AND FORESTRY BUILDING

EQUIPMENT .....	10,000 00
BOTANY AND ZOOLOGY BUILDING EQUIPMENT....	10,000 00
LIBRARY, Special appropriation for books . . . .	16,350 00
LIBRARY, Binding .....	2,000 00



## APPARATUS AND EQUIPMENT APPROPRIATIONS

COLLEGE OF ARTS		
American History .....	\$ 50 00	
Bacteriology .....	100 00	
Economics and Sociology .....	125 00	
European History .....	150 00	
Geology .....	400 00	
German .....	25 00	
Latin .....	50 00	
Romance Languages .....	35 00	
		\$ 935 00
COLLEGE OF EDUCATION		
Art .....	\$ 100 00	
Manual Training .....	190 00	
Psychology .....	210 00	
		\$ 500 00
COLLEGE OF ENGINEERING .....		
	\$ 8,000 00	
Civil Engineering, Office Equip. ....	73 50	
Metallurgy, Office Equip. ....	100 00	
Metallurgy Furnaces, F-10 .....	75 00	
		\$ 8,248 50
COLLEGE OF AGRICULTURE .....		
	\$ 8,000 00	
Home Econ., Office Equip., C-4 .....	67 50	
Rural Econ., Office Equip., C-4 .....	159 00	
Live Stock, E-4 .....	3,000 00	
Motorless Vehicles, E-5 .....	150 00	
		\$ 11,376 50
VETERINARY MEDICINE—ELEVATOR .....		
		400 00
Veterinary Medicine—Elevator .....	400 00	
TUNNEL TO SOUTH CAMPUS		
Original bill .....	\$ 7,280 70	
Sundry bill .....	7,653 00	
		\$ 14,933 70
LIGHT, HEAT AND POWER		
Wood Working Machinery, E-9. ....	\$ 1,480 00	
Light Circuit, F-4 .....	2,622 00	
Plumber's Tools, E-9 .....	50 00	
Tinner's Tools, E-9 .....	50 00	
Water Meter, E-9 .....	400 00	
		\$ 4,602 00
FIRE PROTECTION, F-8 .....		\$ 4,610 10
HORTICULTURE AND FORESTRY BUILDING (5,000 deferred), F-10 .....		70,000 00
FREIGHT HOUSE AND KILN ROOM, F-10 .....		12,200 00
DORMITORY—LABORATORY, F-10 (2,500 deferred) .....		
NEW STACKS, LIBRARY, F-10 (7,400 deferred) ...		3,200 00
OHIO UNION—VAULT, F-10 .....		500 00
WATER STALLS—VETERINARY LABORATORY (100 deferred), F-10 .....		
DOG HOUSE—VETERINARY LABORATORY, F-10 ....		147 00
NEW FLOOR—VETERINARY LABORATORY, F-10 ....		1,320 00
REAL ESTATE, H .....		42,000,00
CURRENT EXPENSE .....		15,000 00
		<u>\$438,068 00</u>

## AGRICULTURAL EXTENSION

In the report for the year 1913-1914 reference was made to the new departure in Agricultural Extension as provided for in the Smith-Lever Agricultural Extension Act. The Legislature of Ohio has accepted the terms of this Act and made its initial appropriation and the work has been started along lines approved by the Trustees and by the U. S. Department of Agriculture. The far reaching importance of this work in Agricultural Extension is only dimly comprehended by the most intelligent of men. There is reason to believe that a generation of important service lies ahead of the Agricultural Colleges of the country and it is important now that the attitude on all such matters be sufficiently conservative to avoid serious mistakes and to organize the work in such a manner as to insure its continuity and strength. The projects in which the University is engaged are developed and submitted to the U. S. Department of Agriculture for approval. The work as now in progress in Ohio has been cordially approved by the Honorable Secretary of Agriculture and by another year it is hoped that we shall be able to submit a somewhat extended report upon the progress of Agricultural Extension in its newer phases.

The organization of the work as now provided anticipates a Director of Agricultural Extension who shall be responsible immediately to the Dean of the College of Agriculture and a State Leader of County Agents, responsible to the Dean of the College of Agriculture and a number of divisions such as the Movable Extension Schools, Home Economics, Correspondence work, and others with a Supervisor for each division, responsible immediately to the Director of Agricultural Extension. It is believed that the organization as developed here in Ohio will prove to be efficient and satisfactory and in most particulars the equal of any similar organization throughout the country.

The appropriation bill for Agricultural Extension is included in this report in order to set out the general scheme of service and expenditure.

In this connection it is worth while to call attention to the importance of Farmer's Week held at the close of the first semester, the first week in February each year. The attendance has increased each year until it is believed that no single enterprise or activity of the University in the interest of Agriculture has been more effective than the Farmer's Week. It has furnished opportunity for members of the faculty and other invited persons from University faculties and from fields of public service to give instruction under the normal conditions existing about an educational institution. The testimony of persons who have attended these meetings is uniformly of keen appreciation. In February 1915, more than 1400 persons were registered and 87 of the 88 counties in the State were represented. When the new building for Home Economics is ready for service the University will hope to furnish better facilities for the women at this Farmer's Week and thereby greatly increase the value of the services rendered.



## NEW FEATURES

The current year has witnessed the activity of the University in the fields of Dentistry and Medicine. The University was presented with the property owned by the Starling Ohio Medical College on Park Street and with the lease holds of the Starling Medical College on the property of the Starling Medical College, together with all rights and privileges in the enjoyed by those Colleges in St. Francis Hospital, the Protestant Hospital, and other hospitals in the city to a limited degree. The Trustees also organized a College of Homeopathic Medicine and have received from the Homeopathic Profession in the State certain donations of money as set out in the University report, \$30,000 of which will be included in the money expended for the erection of a hospital and other appropriations for current expenditure. There is appended to this report the first reports upon Dentistry and Medicine.

Some criticism of the policy of the University has been made in this new departure. It was feared by Alumni that the money necessary to operate in the field of Medicine would detract from the interests of existing Colleges. Some criticism was made for the establishment of the College of Homeopathic Medicine. A report from the Carnegie Foundation brought public attention to this situation. Certain public addresses before medical associations offered criticism both upon the facts and upon the motives of the Trustees in their action. Published articles in Medical Journals directed attention to the status of medicine as represented at the Ohio State University and certain erroneous and misleading statements were made through lack of information on the part of those making them. This report will not undertake either defense or justification of any action taken but will direct attention to the published catalogs, to the financial statements, and to the printed record of the Board of Trustees for an exact statement of fact and of action. It will be sufficient here to direct attention to the fact that the motives of the Trustees in taking action were above reproach and that they will be guided in the future by their experience as developed from year to year.

The whole field of medical education has been so much debated and the discussions have been so heated that a sane and mature judgment will probably await the test of experience before expressing too confidently the conclusions upon medical education. The University will address itself to this problem with the same sincerity with which it attempts the problems in other fields of education and will endeavor to urge the State from year to year to make adequate provision for standard education in every field of activity including medicine. There is general acceptance of the theory that the State should provide for medical education. The acceptance of that theory will doubtless lead to adequate support. The increased supervision by the State through State and City Boards of Health and through legislative acts determining the standards of education, will put upon the State

with increasing emphasis the obligation to provide the facilities by which candidates for the profession of medicine will have satisfactory and standard opportunities for education. The hospital service is so important in modern education that such provision will soon be a pressing necessity for the State. The investigational work done by the State among the exceptional classes and the proper coordination of its scientific activities with the educational efforts will suggest that the University Hospital when erected should be the center of the State's interests and activity.

#### THE DAILY PAPER

Beginning with the current year the weekly newspaper known as the "Lantern" was succeeded by a daily newspaper under the same name and made an activity of the Department of Journalism. This will serve two purposes; first to give a responsible department supervision of the student publication and, second, to make such publication an opportunity for a limited amount of practical service on the part of the students of Journalism. So far, the experiment has proved satisfactory beyond expectation and it is believed that this new activity will lead to a genuine service to all the students.

#### NEW BUILDINGS

It is gratifying to report that two new buildings, the one for Horticulture and Forestry and the one for Botany and Zoology have been occupied for the first time during the current year and that a wing to the Physics building was completed. These additional facilities have furnished great relief and at the same time made provision for certain educational work impossible under former restrictions.

#### GIFTS

Attention is directed to the gifts to the University through the year as set out in detail in the financial reports included as a part of this Annual Report. Concerning this matter, it is appropriate to say that the tendency toward generosity to State Institutions is very gratifying. During the past six years the University of Michigan has received from its Alumni more than \$800,000. At present a single structure is being erected by an Alumnus which, when completed, will cost more than \$400,000. The University of Michigan has approximately 35,000 living Alumni. The Ohio State University has not yet reached the proportion in its Alumni body to warrant the belief that such large generosity is at all possible. It is gratifying, however, to note that in years past men not Alumni have given generously to the University. It is also gratifying to record that a renewed interest has been awakened among the Alumni and it is hoped that the future will reveal the fact that they have found the University an opportunity to express their generous impulses in gifts and provision for education.



There are certain finer features in education that the State will probably never provide. The pressure of necessity in appropriations will always limit legislatures to the practical, the economical, and to a strict limitation in appropriations. On the other hand, private individuals, individually or collectively have the opportunity to supplement the State with gifts and with provision for certain phases of education that are highly desirable and necessary to any complete provision for young men and young women. It is not necessary at present to call attention to these needs in particular but the suggestion is here made that the Alumni of the University might well consider through themselves and their friends the opportunity the University offers for expressing their interest both in education and in the welfare of students.

#### REPORTS

Extracts from the reports from the Dean of the Graduate School and from the Deans of the several Colleges to the President are submitted herewith as a part of this Annual Report. A number of topics are presented in these reports of general interest to the University and to the State but no comment is offered further than to direct attention to them as a source of information. These Annual Reports gather up the experience of the year and constitute the basis upon which University administration develops. The desire is that both departmental and college reports shall be made sufficiently comprehensive to set out the history of the progress of the University from year to year.

Attention, however, may here be directed to the increase of the spirit of cooperation among Ohio Colleges and particularly among the State supported institution of the State. This cooperative spirit will inevitably develop a higher efficiency among the institutions and advance the cause of higher education generally.

There is also appended to this report the usual statistical information required by law.

#### CONCLUSION

It is a matter of very sincere pleasure to record that during the year the University has made substantial progress and has been free from any serious interruptions in work or disasters interfering with progress and welfare of either students or faculty. There is evidence of increasing efficiency on the part not only of the educational division but of the men in charge of the physical plant in making the plant serve the interests of both faculty and students. Service for the year has been marked with many evidences of good will and the natural relations that should obtain between students and faculty.

Respectfully submitted,

W. O. THOMPSON,  
*President.*

COLUMBUS, July 1, 1915.

TO THE PRESIDENT:

I have the honor to submit my report as Dean of the College of Arts, Philosophy and Science, for the year ending June 30, 1914.

## ENROLLMENT

The College enrolled the largest number of students in its history. There were 1078 of whom 354 were women. The enrollment for the preceding year was 952 of whom 410 were women. The increase in enrollment over the preceding year was 126. The total of 1078 does not include 223 students of the Summer Session of 1914 registered as members of this college.

## TRANSFERS TO THE COLLEGE OF EDUCATION

The loss in total number of women was 56. This is accounted for by the fact that 57 students who were registered in this college the preceding year (of whom 56 were women) transferred to the College of Education in order to take advantage of the state law which exempts from state examination the graduates of our three state Colleges of Education, while requiring such examination of graduates of our three state Colleges of Liberal Arts and Sciences, even though the latter may have pursued the same studies as the former. The discrimination is discreditable to the state. It invites young people to make exemption from examination the determining consideration in their education. Some other states are equally unenlightened. Two of our neighboring states make similar discriminations but in favor of graduates of Colleges of Liberal Arts and Sciences. Teaching will not become a profession in this country like law or medicine until admission thereto is based upon impartial requirements with special privileges for none.

In this connection I beg leave to make permanent record of the following communication; which on motion of the signers was referred to the Executive Committee of the Conference, consisting of the Presidents of the state supported institutions. No action in the premises has been reported to the signers.

December 1, 1914

*To the Executive Committee,**Conference of State-supported Institutions.*

GENTLEMEN:

At the Athens meeting of the conference, November 21, 1914, the following recommendation of the committee of Deans of the three State-supported Colleges of Liberal Arts was on Motion of that committee referred to you for subsequent report to the Conference:

5. We recommend that students in the Normal Colleges of our Universities be permitted to elect as much of their work from the Colleges of Liberal Arts as they are prepared to enter and as their requirements for graduation



permit; and that Liberal Arts students be permitted to elect such courses in the Normal Colleges as they are prepared to undertake but not in the total exceeding thirty semester hours, and including specifically courses in the history, science, principles and methods of teaching, school organization, management and laws, practice teaching and observation of teaching, and educational psychology.

In explanation of this recommendation the following statement, which offers a working agreement among the institutions concerned, and which is more specific, was also read:

5. We recommend that students in the Colleges of Liberal Arts have the privilege of fifteen hours of strictly professional teaching work in the Normal Colleges of the respective institutions and combine that with fifteen hours in the Liberal Arts Colleges in Philosophy, Sociology, etc., in order to meet the requirements of the law for the provisional certificate as laid down by the superintendent of education; and that graduates, upon graduation, shall be recommended to the state department of education for the provisional certificate, and at the same time receive the degree of Bachelor of Arts in the regular Arts course. We recommend that if a student has as much as thirty hours in strictly educational work, he be graduated with the professional degree of B. S. in Education from the College of Education or Normal College, or in such other way as the particular institution may deem best. Further, we recommend that a student who has completed one hundred fifty hours credit of which not less than thirty and not more than forty-five are in the science, principles and methods of education, fulfilling the requirements both in Arts and in Education, be granted the degrees of A. B. from the College of Arts, and B. S. in Education from the College of Education or Normal College.

The undersigned beg leave to submit the following points for the consideration of the Executive Committee:

1. The welfare of the student in Arts—who does not desire to begin his professional training earlier than the fourth year of his course.

2. The welfare of the Normal Colleges—which should desire students who have been given the longest possible period of study in "content" courses before beginning the professional.

3. The welfare of the three state colleges of Arts—which unless the arrangement recommended above is adopted, will be less favorably situated under the law than the other Arts Colleges of the state that are permitted to fulfil the law by establishing the necessary courses in Education as part of their Arts curricula.

4. The welfare of secondary education—which would benefit greatly by the general application of the five-year or 150 hour plan proposed above in preparation for teaching.

J. V. DENNEY,  
*Dean, Ohio State University,*

E. W. CHUBB,  
*Dean, Ohio University,*

E. E. BRANDON,  
*Dean, Miami University,*  
*Committee.*

## TRANSFERS FROM ENGINEERING

A number of students who fail in their first semester's work in the College of Engineering seek admission each year to the College of Arts, Philosophy and Science on the plea that they were misled or badly advised in their choice of a college. In this connection the following statistics are of interest.

Total transferred from Engineering February 1915 .....	17
Total hours carried by the 17 transferred .....	288
Total hours failed by the 17 transferred .....	96
Total hours conditioned by the 17 transferred .....	68
Total hours removed from card at mid-semester .....	31
Per cent failed, conditioned and removed from card .....	70%
Per cent of successful hours .....	30%

Of the 17 transferred in February, 5 succeeded in a new program of study; 6 were dropped out of the University six weeks later on account of unfavorable mid-semester reports from their instructors; 4 were dropped out of the University in June because of failures and conditions; and 2 are still able to retain membership in the University on "double probation",—that is, with very slight hope of succeeding. These proportions are typical; they would hold good for a series of years. They show that less than one-third of the students transferred by reason of failures succeed in a new curriculum. Two-thirds or more of such students would apparently fail in any college curriculum.

The problem of administration, as to the one-third who succeed, would be simplified if there were but one door of admission open to graduates of high schools. If there were only one College instead of six bidding for graduates fresh from high schools, disasters to freshmen would be minimized, for the attention to individual aptitudes which does not begin now until trouble has come upon the students could begin at the time of admission when the student in the College of Arts, Philosophy and Science makes his first choice of studies under advice of the Executive committee and after careful consideration of his high school course, his probable success in the studies proposed, and his ultimate purpose. Such consideration is evidently not compelled at the outset in Colleges having a fixed and prescribed curriculum for the freshman class.

The following have been on leave of absence during the year, occupied in study and research:

Assistant Professor W. H. Starin of the department of Bacteriology  
 Professor J. A. Bownocker (2nd semester) department of Geology  
 Professor M. B. Hammond department of Economics  
 Professor F. A. McKenzie department of Sociology  
 Professor O. C. Lockhart department of Economics  
 Instructor Beatrice Sheets department of Economics  
 Professor C. S. Duncan department of English  
 Instructor Sarah Barrows department of German



During the year Professors McKenzie and Duncan, and Miss Sheets resigned.

The most important new appointment was that of Professor George M. Bolling to the headship of the department of Greek language and Literature, reference to which was made in my last report.

#### REPEATED COURSES

In the high schools of our larger cities a considerable number of students complete their course at the mid-year and are ready for admission to college. This is one result of the system of semi-annual promotions which was quite generally adopted in city systems of schools some years ago. It is also partly the result of the privilege accorded to good students in the high schools of carrying extra courses. We have had no great difficulty in the College of Arts, Philosophy and Science in receiving such students into the freshman class at the beginning of the second semester and providing them with a schedule; but the schedule has not been regular and students have been obliged to take what they could get rather than what they wanted. The departments have now provided a much larger list of such courses that may be begun either semester and the list of such courses in the summer session has also been increased. It will thus be much easier hereafter for a student beginning his college course at the mid-year or in the summer session to follow a regular schedule consecutive with his high school course.

#### COURSES FOR TEACHERS

As stated in my last report several departments of this college scheduled sections of elementary courses at the 4 o'clock hour or on Saturday mornings for the benefit of teachers in the schools who desire to do work towards a first degree while engaged in their regular vocation. These courses have been well attended. Seven such courses are offered for the first semester of 1915-1916, and these will be followed by seven others in the second semester. By utilizing these opportunities and those of the summer session, a full semester's work may be completed each year. The number of these courses should be increased from year to year until a fairly complete curriculum is established, including advanced subjects as fast as these are reached in the course. As these courses are exclusively for a special constituency it is not important that they be given on the University campus. A large number of teachers would be accommodated if some of these courses were given at convenient school centers or in one of the buildings owned by the University near the center of the city.

#### SUPERVISION

The idea of personal supervision of the work of the younger instructors by the older is meeting with greater favor in the College. In response to an inquiry sent out September 25, 1914, I learned that the following

departments of this College hold meetings at more or less regular intervals for the discussion of department problems—Bacteriology, American History, Economics, English, European History, Geology, German, Latin, Philosophy, Romance Languages. These meetings are attended not only by the professors and assistant professors but also by the instructors and assistants. The heads of all but two of these same departments make it a duty to visit the classes of younger instructors or delegate this duty to some other experienced professor in the department. The practice commends itself to the good judgment of all but one of the head professors in the College.

Attention is also called to the fact that in very large classes like Freshmen English Composition it has been found advantageous to appoint the most experienced instructor director of the course. In English the director for several years past has been Assistant Professor Beck who holds a meeting each week of all who teach sections of Freshmen English Composition. At these meetings problems of teaching are discussed. The work of each week is definitely planned and agreed to and the experience of each is put at the service of all. These meetings tend to clearness of purpose, selection of the most fruitful parts of the matter, greater personal interest in the students, and the development of good team work.

One of the head professors advocates the policy of inter-visitation of classes by all members of the department staff, on the ground that almost every instructor may get valuable suggestions for his own classroom by visiting the classes of his department colleagues.

I call attention to the growth of this practice of supervision in the College as an interesting development in the improvement of the work of the College.

#### DEPARTMENT LECTURES

The 1915 Series of Lectures offered by the department of Physiology were attended by 150 to 500 people, each. The list of lectures was as follows:

- February 25—"What and How We Inherit"—Prof. F. L. Landacre
- March 4—"Experimenting with Life"—Dr. Ernest Scott
- March 11—"The Selection of a Proper Diet"—Dr. A. M. Bleile
- March 11—"The History of Medicine"—Dr. A. M. Bleile
- March 18—"Health Fads and Fancies"—Dr. R. J. Seymour
- March 25—"Laboratory Demonstrations"—Prof. E. P. Durrant
- April 9—"Recent Investigations of the Physiology of the Stomach"—Dr. J. Carlson (Chicago)
- April 15—"Physiology of Reproductive Organs"—Dr. A. M. Bleile
- April 15—"Physiology of Reproductive Organs"—Dr. R. J. Seymour

Dr. Carlson's lecture was given in chapel and that auditorium was completely filled. Professor Durrant's demonstrations were given in the physiological laboratories from 3 to 5 p. m. and were attended by about 300.



## PER CAPITA COST OF INSTRUCTION

The University is divided into Colleges for convenience of administration and for purposes of budget making. In purely professional colleges like law and medicine, which serve only their own students and which require no service from the other colleges of the university, there is autonomy of the colleges. The per capita cost of instruction in these colleges can be found by dividing the total appropriation for the college by the number of students. The matter is not so simple however in the case of Colleges of Agriculture, Arts, Philosophy and Science, Education and Engineering; for in these colleges there is an interchange of services. All the instruction in English, and other languages, history, philosophy, sociology, economics, bacteriology, physiology and geology is paid for out of the budget of the College of Arts, Philosophy and Science; and all of the instruction in Botany and Zoology is paid for out of the budget of the College of Agriculture. Nothing but false inferences could possibly result therefore from deriving per capita cost of instruction in any one of these three colleges by dividing the total budget of that college by the number of students in that college.

The following analysis shows the true situation for 1913. It reveals the fact that the College of Agriculture requires a total of 556 hours in its four-year courses and that its budget pays for only, 275 of these hours, —considerably less than 50 per cent. (The only service that it offers as an offset is six hours in Zoology and six hours in Botany, one of which is required in the College of Arts, Philosophy and Science, and Education). The College of Engineering pays for 72 hours of the courses in the College Agriculture or about 13 per cent; the College of Arts, Philosophy and Science for 195 hours or about 35 per cent; The other fraction of the 50 per cent is paid for by other colleges. Naturally, the College of Arts, Philosophy and Science furnishes the larger percentage of the instruction in question since its work in fundamental languages, sciences, history and economics is so largely drawn upon by the College of Agriculture. It is a misuse of statistics and essentially a misrepresentation of facts to figure per capita cost of instruction in the several colleges without allowing for the services which the colleges render one another.

No objection is here raised against such interchange of services. A true university is something more than an aggregate of colleges. Students of the various colleges gain in many ways by meeting for their less specialized work in the same classes. It would be unnecessarily expensive to provide as many departments of English, Chemistry, Mathematics, Zoology, etc., as there are colleges of the University requiring these subjects in their curricula.

Respectfully submitted,

J. V. DENNEY,  
*Dean.*

## REPORT OF THE DEAN OF THE COLLEGE OF EDUCATION

DR. W. O. THOMPSON, *President The Ohio State University.*

DEAR SIR:—I have the honor to submit my report as Dean of the College of Education for the year ending June 30, 1915.

### ENROLLMENT

The College enrolled 416 students, as compared with 187 during the previous year, a gain of 229, or 123 per cent. The above enrollment does not include 306 students who were registered in this College for the Summer Session of 1914. This great increase while undoubtedly in considerable part due to the added training demanded of teachers by the school legislation of 1914, cannot fairly be attributed to that cause alone.

### NEW APPOINTMENTS

With the opening of the year Dr. Lewis F. Anderson assumed his duties as Professor of History and Philosophy of Education. The vacancy in the department of School Administration created by the resignation of Dr. W. W. Boyd was filled by the appointment of Dr. Samuel W. Brown of San Francisco. Mr. Charles F. Kelley of the Faculty of the University of Illinois was elected in September to the headship of the department of Art. The increase, partly anticipated and partly unexpected, in the enrollment in the department of Psychology, was met by the appointment, as instructors, of John E. Evans, M. J. VanWagenen, and Harry C. Crane.

### CHANGES IN CURRICULA

The enactment of the new school code in 1914 raised the legal status of the work of the teacher in Ohio from that of a trade to that of a profession.

Some professional training is now required of all teachers, and graduation from a four year academic and professional course in an institution for the training of teachers the standards of which are approved by the State Superintendent of Public Instruction; is essential to the attainment of a provisional state certificate for High School teachers.

The College of Education by this legislation, supplementing as it does that under which it was originally established, becomes properly a professional college, and was at once officially recognized and approved by the Superintendent of Public Instruction as the professional college of this University for the training of teachers and administrators of the secondary schools.



While the curriculum of the general course in the College more than met all the professional requirements and standards of the new law as applied by the State department of Public Instruction, it became necessary for the Faculty to recast the Home Economics, Art, Manual Training and Agricultural-Education curricula, since they had never provided adequate opportunity for even a proper minimum of training in the strictly technical subject of the teaching profession. The curricula of the College in Home Economics, Art and Manual Training were, accordingly thoroughly revised not simply to provide for more and better training in the history, theory and technique of teaching and the learning processes but as better to correlate the other subjects of the respective curricula. The curriculum in Art was entirely recast and as it now stands is believed to compare favorably with that of any institution in the country for the training of teachers of Art.

The problem of correlating the curricula of the College of Education with those of other colleges of the University was attacked during the year and some progress made, but there remain several points to be adjusted before the solution can be regarded as complete in all details. It would seem to be desirable that some arrangement be worked out between the Colleges of Agriculture and Education whereby a five year combination Agriculture-Education course, and a similar five year Home Economics-Education course, should be established leading in each instance to two degrees, as is now the case in the combination Arts-Education course.

#### PRACTICE TEACHING

One of the most serious problems of the year was the proper supervision of the practice teaching which is required of all students before graduation from the college. The number of student teachers whose teaching had to be guided and supervised was nearly three times as large as in any previous year, and was quite beyond the capacity of any one person to handle. The dean assumed the responsibility after conference with Dr. Lowden, head of the department of practice teaching, of formulating a somewhat new plan of supervision by which the oversight of the student teachers was distributed among several persons, under the general direction of Dr. Lowden. Professors Twiss and Pearson devoted their entire time during the semester to the supervision of the practice teaching of students in the general course. The departments of Home Economics, Art, and Manual Training took over the direct supervision of the student teachers in those fields respectively, and detailed a number of their staff for that work. The arrangement proved generally satisfactory. Closer supervision was had and the students were more carefully watched and guided, than ever before.

The relations between our supervisors and the school principals and teachers in the Columbus High Schools were pleasant and it is believed

that with some further slight modifications of the scheme the last remnant of opposition by any teacher of the Columbus Schools to the presence of student teachers in their rooms will disappear. This portion of the work of the College is so vital to its progress that no effort should be spared not only to retain the hearty cooperation of the Columbus teachers who have already shown their appreciation of the work by their active assistance, but also to enlist any who may as yet be lukewarm or mildly unfriendly.

During the year, owing to appreciative recognition of the needs for equipment of the departments of Psychology, Art, and Manual Training, substantial permanent additions have been made in the way of apparatus or experimental, illustrative, and productive purposes. Without this new equipment those departments could not have provided for their students during the year, and would certainly have had to limit the registration for the coming year.

During the year several more departments of the University have announced courses in the methods of teaching the subject for which the department stands, thus removing one of the long standing weaknesses of the College.

In closing this my first report as Dean I wish to testify to the hearty cooperation of the Faculty of the College in every movement for the betterment of the curriculum and the raising of the standards of the college; nor can I forego expressing for myself and my colleagues our appreciation of the spirit of cordial support, assistance and suggestive help manifested by the many members of the University who are not directly connected with this College.

Respectfully yours,

G. W. KNIGHT,  
*Dean.*



# REPORT OF THE DEAN OF THE COLLEGE OF VETERINARY MEDICINE, JUNE 30, 1915.

## *To the President:*

Pursuant to your request I have the honor to submit herewith a brief report of the work of the College of Veterinary Medicine for the year 1914-15.

## GENERAL REMARKS

The present year has been a most successful one for this College which is still in point of attendance the largest University veterinary school in the United States. During the past year the entrance requirements to the College were increased from eight to fifteen high school units and the length of the curriculum extended from three to four years. Following our lead Cornell University extended its curriculum in veterinary medicine to four years but does not make it effective until 1916. With the exception of the University of Pennsylvania, which is contemplating a similar change, now all of the state schools offer four year courses in veterinary medicine. By 1917 the leading private veterinary schools will have done the same although it is not probable that they will raise their entrance requirements to fifteen units for some time. It is expected and hoped that the higher entrance requirements and longer curriculum will prevent further numerical growth in the student body. However, to date (June 30th) more freshmen have matriculated than ever before in the history of the College.

While the college has acquired an enviable reputation and is now recognized as one of the "standard" institutions of veterinary learning, it is but the nucleus of what will be here in years to come. Compared with continental veterinary colleges in the number of teachers, facilities, buildings and equipment it is a more infant. In this connection a quotation from President Edmund J. James of the University of Illinois is significant: "There is not now in the United States a single first-class modern up-to-date, adequately equipped and adequately manned veterinary college".

Compared even with American University veterinary colleges in regard to value of plant, cost of maintenance, etc., we are not at the top. The following table is interesting in this connection:

INSTITUTION	Value of Physical Plant	Annual Cost of Maintenance	No. of Veterinarians on F.	Number of Students
Cornell . . . . .	\$371,000	\$65,000	18	110
U. of Pa. . . . .	450,000	*60,000	20	118
Ohio State . . . . .	150,000	32,000	9	188

\*There is also an endowment fund of \$157,000.

It therefore behooves us to devote less attention to quantity in the output of the College and more to quality. With our comparatively meager facilities to attempt the education of large numbers of veterinarians is to belie the trust placed in us by the people of the state. All we can do under the circumstances therefore is to concentrate our efforts on smaller numbers.

#### CHANGES IN FACULTY

During the past year no changes were made in the Faculty of the College except in two instances among the secondary positions. Dr. Max Wershow succeeded Dr. Ernest Scott as assistant professor of pathology and was given charge of the microscopic work in pathology. He has proven a very enthusiastic and inspiring teacher and is much liked by the student body. Dr. Walter Hobbs succeeded Dr. Max Wershow as House Surgeon of the Hospital. Dr. Hobbs is a young man with the right sort of stuff in him, a clean, clear cut, serious minded fellow who will make a place for himself among us. Next year Dr. Hobbs will be given a position of greater responsibility and service.

#### BUILDINGS

No buildings have been added to the physical plant since the completion of the Veterinary Clinic. A new building is needed for a horse-shoeing shop, cold storage plant, ambulances and for vehicles left at the Clinic from time to time by owners. This building need not be large but should be so constructed as to form the nucleus of a larger one later.

#### CLINICS

The clinics held daily in the Clinic Building are steadily increasing. During the past academic year there were presented for treatment 3940 patients. This increase in the number of patients treated (910 more than last year) is not only of decided advantage to the student learning to apply his theoretical knowledge but also to the department partially supported from the fees received of the owners of the animals.

#### SUMMER CLINICS

Last summer and during the vacation the clinics were continued with Dr. J. N. Shoemaker in charge. The experiment proved so successful that we have decided to continue it indefinitely. From July 1, to September 15, 1914, 470 cases were treated in the summer clinics.

#### OUT-PATIENT CLINIC

A determined effort has been made to establish a regular out-patient clinic. This has been accomplished except for transportation facilities. It is hoped that these may be obtained in the near future so that the student,



while a student, may come in contact with an important class of patients which for obvious reasons cannot be brought to the Hospital but which nevertheless form the bulk of the practice of the man in the field.

#### ENROLLMENT

The number of students in the College has been gradually growing for the past ten years. During the past academic year there was registered 190 students candidates for degrees. Besides 150 students in agriculture and dairying having required an elective work in this College were given instruction in the various branches of veterinary medicine. At present while in equipment and income this College ranks fourth in the United States, in student numbers we lead. Our students come from Maine, from Oregon, from Minnesota and from Texas, a small number from South America, our Island possessions and European countries. I think we can say without undue egotism that no college of our University is more widely known and better recognized.

#### ALUMNI

The best criterion of a college is not the number of its students but the product—its alumni, where they are and what they are doing. In this connection the following statistics, brought to date, are of interest.

Of the 480 living alumni of the College (not including the class of 48 of 1915) 51 per cent have remained in the State of Ohio. The remaining 49 per cent are widely scattered in the United States and a few reside in foreign countries. Of the total number 262 (54%) are in practice, 43 (9%) in state sanitary work, 18 (4%) in municipal sanitary work, 32(6%) in teaching and research work, 105 (21%) in the United States Bureau of Animal industry, 7 (1.5%) in the Philippine service, 3 (.5%) in the Army, 3 (.5%) students of medicine and 7 (1.5%) in miscellaneous occupations.

It is the endeavor of the Faculty and Dean to maintain the college at as high a standard from the standpoint of both instruction and investigation as is consistent with the demands made upon and the resources afforded it. It shall be our aim to better fit the young men who go out from its doors each year to deal with those diseases which threaten and depreciate a live stock industry approximating in the United States alone a value of \$5,000,000,000 and which too often form a menace to the health and life of human beings.

Respectfully submitted,

DAVID S. WHITE,  
*Dean.*

*To the President of the Ohio State University:*

DEAR SIR:—I have the honor to present to you the following report relative to the work of the Graduate School for the year 1914-15.

#### THE REGISTRATION FOR THE YEAR AND DEGREES CONFERRED

During the four years which have elapsed since the Graduate School was organized, the growth in attendance has been a gradual one indicating a normal development. The registration for the year 1914-15 amounted to 298, distributed between the regular session and the summer session as follows:

Regular Session.....	185
Summer Session.....	132
Names counted twice.....	19
Total.....	298

The number of degrees conferred during the year and at the regular commencement is shown in the following table:

	Ph.D.	M. A.	M. Sc.
Degrees conferred during the academic year.....	0	8	2
Degrees conferred at commencement.....	1	53	13
Total.....	1	61	15

The distribution of the graduate students among the various departments is as follows (a few special students are omitted):

	Major	1st Minor	2nd Minor
Agricultural Chemistry.....	15	14	2
Agronomy.....	10	3	
Anatomy.....	1	1	
American History.....	7	8	1
Bacteriology.....	5	15	12
Botany.....	12	19	1
Ceramic Engineering.....		2	
Chemistry.....	45	18	14
Civil Engineering.....	1		
Dairying.....		1	
Economics and Sociology.....	10	11	5
Electrical Engineering.....	2		
English.....	42	24	2
Engineering Drawing.....			1
European History.....	5	11	5
Geology.....	4	1	1
German.....	17	8	1
History and Philosophy of Education.....	1	9	11
Horticulture.....	1	1	..
Latin.....	10	3	..
Mathematics.....	9	12	6
Mechanics.....	..	2	..
Mechanical Engineering.....	..	1	2
Metallurgy.....	..	1	2



Mineralogy .....	1	2	2
Philosophy .....	5	3	2
Physics .....	11	13	..
Physiology .....	1	1	1
Political Science .....	3	5	2
Psychology .....	8	12	1
Romance Languages .....	7	8	7
Rural Economics .....	3	..	..
School Administration .....	28	16	6
Zoology and Entomology .....	21	2	3

It is of special interest to know from what institutions the graduate students received their baccalaureate degrees. This information is given in the following table:

Allegheny .....	1	W. Virginia Wesleyan .....	1
Antioch .....	1	Manhattan .....	1
Ashland .....	1	Marietta .....	2
Baldwin .....	2	Meadville Theol. School .....	1
Belmont .....	1	Michigan Agricultural .....	1
Beloit .....	1	Mip. Poly. College, China .....	1
Berea .....	1	Mt. Holyoke .....	1
Bowdoin .....	1	Miami .....	11
Bremen (Germany) .....	1	Mount Union—Scio .....	1
Buchtel .....	1	Muskingum .....	3
Capital University .....	2	Oberlin .....	2
Catholic Univ. of America .....	1	Ohio Wesleyan .....	23
Central Normal (China) .....	1	Ohio .....	6
Central Wesleyan .....	1	Otterbein .....	10
Colorado Agr. College .....	1	Oklahoma Agr. and Mech. ....	1
Columbia .....	2	Oxford College for Women .....	1
Cornell .....	1	Ohio Northern .....	3
Defiance .....	3	Ohio State .....	142
Denison .....	10	Penna. State .....	1
Franklin .....	1	Penna. College for Women .....	1
Goucher .....	1	Purdue .....	1
Goschen .....	1	Rio Grande .....	1
Heidelberg .....	8	Rose Poly. Institute .....	1
Hiram .....	4	Thiel University .....	1
Hope .....	1	Univ. of California .....	1
Iowa State .....	1	Univ. Cape of Good Hope .....	1
Kansas State Agricultural .....	2	Univ. of Cincinnati .....	1
Kentucky State University .....	1	Univ. of Illinois .....	1
Lebanon Valley .....	1	Univ. of Michigan .....	3
Lima .....	1	Univ. of Oregon .....	1
Manchester .....	2	Univ. of Virginia .....	1
Vassar .....	1	Wilmington .....	1
Wabash .....	3	Wittenberg .....	5
Wooster .....	5		

#### DISTRIBUTION OF STUDENTS AMONG THE COLLEGES

A study of the table shows that a large majority of the students are working in departments normally included in the College of Arts, Philosophy and Science. There seems to be little demand for graduate work in

the purely technical engineering subjects. This is undoubtedly due primarily to the fact that the graduates of the College of Engineering believe that it is to their advantage to gain in the field, as soon as possible, experience in their chosen profession; however, it would seem that an increasing number of such graduates, after a few years of experience, would return to the University for the study of problems which they have encountered in their work. It must be remembered however that many of the great industrial plants have, in their research departments, graduate schools thoroughly equipped both in apparatus and library facilities, for the study of problems pertaining to their specific lines of work. No more effective steps could be taken for the development of the higher work included in the departments of engineering, than to bring to a reality, the engineering experiment station authorized by the legislature.

The demand for graduate work in the departments related to agriculture, while still limited is rapidly increasing. The call upon the University for teachers in these subjects is so urgent that students are tempted from their graduate work by offers of lucrative positions. Sooner or later however, this urgent demand will be met and competition will result in larger numbers entering the graduate schools. The number of institutions offering graduate courses in the subjects pertaining to agriculture is limited and our College of Agriculture should be prepared to do its share. Leaders in agricultural education have pointed out that the colleges of agriculture must be on their guard against the tendency to become mere extension schools; that the function of such colleges must not be limited to the dissemination of knowledge, but that their laboratories and fields must be centers of research for learning the great truths of nature which may be utilized in the advancement of agriculture.

#### CO-OPERATION AMONG THE STATE SUPPORTED INSTITUTIONS OF HIGHER LEARNING

The first resolution adopted by the joint committee of the State Institutions of Higher Learning was as follows:

"That we unanimously concur in the opinion that the interests of higher education in Ohio require one well-equipped and well organized Post-Graduate School at the Ohio State University conferring all post-graduate degrees. However, the Graduate School may confer the Master's degree upon candidates who have pursued their graduate studies under qualified instructors at Ohio University or at Miami University, which institutions shall have representation upon the Board of Control of the Graduate School of the Ohio State University."

In accordance with this resolution, the Graduate Code of the University has been amended giving Ohio University and Miami University representation upon the Graduate Council. This council as constituted at present consists of a dean and fourteen members, twelve of whom are members of the Faculty of Ohio State University, one a member of the Faculty of Ohio University and one, of the Faculty of Miami University.



In accordance with the agreement, no graduate courses will be offered at Ohio or Miami Universities, except that candidates who are members of the instructional force of those institutions may pursue their graduate work for the Master's degree there, subject to the supervision and control of the Graduate Council.

This agreement to concentrate the graduate work in one institution and to unite in our effort to develop it to a high state of efficiency must meet with the approval of all who have at heart the welfare of higher education in the state.

#### GRADUATE COURSES IN SUBJECTS RELATED TO PUBLIC HEALTH

Following the lead of a number of other universities the University Faculty adopted a series of graduate courses in fields of study relating to public health. Students selecting these courses must have as a prerequisite, the degree of M. D., or a baccalaureate degree will be accepted as fulfilling the requirements provided the course of study taken included the necessary fundamental courses. This work is made possible by the co-operation of the State Board of Health. The instructors are eminently qualified in their line of work and the course offers an unusual opportunity to those who wish to enter this important field.

#### THE DEMANDS FOR NEW LINES OF WORK

The organization of the Medical College calls renewed attention to the importance of unifying and bringing together under one responsible head, the work in physiological chemistry. There is no course of more fundamental importance to the students of medicine; neither is there any branch of science in which there is greater demand for graduate instruction. The development of this field of science is still in its infancy and the fundamental importance of the subject is certain to attract many students in the future. At present the instruction is divided among three or four persons working independently of each other. It is imperative that all this work should be brought together under one competent head who not only could direct the undergraduate courses in the medical colleges but could take charge of the graduate courses. The present method or rather, lack of method, seems to me inexcusable from every standpoint.

#### THE PROBLEM OF CHARACTERIZING GRADUATE COURSES

One of the most difficult problems with which the Graduate Council has had to deal is that of defining properly a graduate course. In March 1914 a committee was appointed to make a study of the question in the

light of the experience gained since the organization of the Graduate School. The following statement is taken from a communication sent by the Dean to each department offering graduate work:

"When the Graduate School was organized in 1911 an extended discussion arose over the question as to what should constitute a graduate course. The following definition was finally adopted and was made the basis of classification of the courses into the two general classes, undergraduate and graduate:

*A graduate course must be a distinctly advanced course in the group of studies in which its subject naturally falls. No course which is ordinarily open to first or second year students or for which there is not a prerequisite of two years of collegiate work in that or related subjects is to be offered as a graduate course.*

Now that the Graduate School has been in existence for three years, it has been suggested that some revision of the courses offered might be advisable in the light of the experience gained. Some of the criticisms that have come to the Graduate Council in connection with the graduate courses are as follows:

(1). The number of courses open to graduate students is too large in comparison to the number open to undergraduate students.

(2). Certain courses do not meet the requirements of a graduate course as defined above.

(3). Courses listed "For Graduates" are sometimes offered by members of the instructional force who have little or no conception of graduate work or who have not had the training necessary to give graduate instruction.

This communication is being sent to the departments offering graduate instruction in the earnest hope that each department may consider the classification of its courses in the light of the experience of the past three years."

Subsequently, the graduate courses offered by each department were reviewed by a representative of the department together with a member of the Graduate Council. It is believed that this discussion resulted in a better understanding on the part of the departments in regard to the nature of graduate courses and the attitude of the Council towards graduate work. As a result the Council feels assured that the standard of graduate courses has been raised.

The following recommendations were also adopted by the University Faculty:

(1). All courses submitted to the Graduate Council for adoption must carry with them the name of the instructor in charge of the course.

(2). No department shall change the instructor in charge of a graduate course to one who has never given graduate instruction in the University without the previous consent of the Graduate Council.

#### FELLOWSHIPS AND SCHOLARSHIPS

In my report for the year 1913-14, attention was called to the importance of establishing a system of fellowships and scholarships commensurate with those of other universities. This goal has now been realized by a legislative grant of a special fund of \$10,000 for this purpose. It is believed



that the appropriation marks a new epoch in the development of graduate work in the University.

One of the most serious difficulties attending the administration of fellowships and scholarships is that of creating a right attitude of mind toward the positions, both on the part of the student and on the part of the department. The following extract from a letter sent to the departments set forth this difficulty:

"The University is now endeavoring to establish a system of graduate fellowships and scholarships. If the objects in view in establishing these positions are to be attained, it will be necessary that the fellows and scholars understand that these positions are positions of honor and opportunity; that in so far as it is possible to determine, no one will be recommended for a scholarship or fellowship who regards the position simply as a temporary expedient to be thrown aside at the first opportunity offered for larger financial returns.

If such a spirit can be made to prevail, the Graduate Council believes that the system will give unusual opportunities to men and women who have shown themselves to be deserving of special advantage and that the State will be amply repaid for the expenditure in efficiency of service. It is in the creation of this spirit that the Graduate Council asks the hearty co-operation of everyone offering graduate instruction."

It may be added that in making the nominations for fellowships and scholarships for the ensuing year the Graduate Council refused to recommend any candidate until assured that the candidate not only had the proper qualifications but also thoroughly understood the conditions upon which these positions are granted and if elected, would retain the position throughout the academic year.

#### THE LIBRARY AND THE GRADUATE SCHOOL

Everyone will admit that a well-equipped library is of fundamental importance in the development of a graduate school. Attention has been called to this subject by Dean Guy Stanton Ford of the University of Minnesota in a paper entitled "The Library and the Graduate School" read at the 15th annual conference of the Association of American Universities. The following quotation is taken from Mr. Ford's paper:

"If any Graduate School or University official is in the complacent opinion that time will remedy the weak spots in his library, he is blind and deaf to the book market as it is today. Time may be necessary but it is an expensive element. The number of sets of great works, publications of learned societies, scientific periodicals of long standing not already located in some institutional library is limited. In some cases they may be counted on the fingers of one hand——The growing rarity of great fundamental sets, together with the active buying in recent years by certain American libraries, is putting beyond the range of possibility for a University library to be a great library if it is not that by the end of the next twenty, perhaps even in the next ten years. The price of rare and important items is going up annually, or at least as I can testify from experience, biennially and it is the old story of the Sibylline books. As the years go by, the sets are less perfect, less complete, and the price is higher. It will of

course always be possible to buy books to the extent of any probable library funds but that may mean only the accumulation of so many volumes, not the making of a library in which you can delve to the bottom of a subject."

I have quoted somewhat at length from Mr. Ford's paper, because of the fundamental importance of the subject. While the Library Council has in the past set aside each year a fairly large percentage of the library appropriation for the purchase of sets of great works, it may well consider the desirability of adding to this fund. It is certainly true that not a little of the appropriation is spent for books and periodicals that have only an ephemeral value. To curtail such purchases may temporarily handicap some departments; not to curtail them may mean that the University has lost forever the opportunity of building up an efficient library—such as the State of Ohio is entitled to have.

#### THE EFFECT OF RESEARCH WORK UPON TEACHING EFFICIENCY

There has been much discussion as to whether research work carried on by an instructor adds to or detracts from his teaching efficiency. Some additional testimony upon this question is contained in the "Report upon the Survey of the University of Wisconsin." One of the questions asked in connection with the general subject of the effect of research upon teaching efficiency is as follows: "Is the College or University which fails to provide specifically for research by the instructional staff doomed to have mediocre teaching?" Replies were solicited from about 100 representative men interested in educational affairs. Of the 44 replies received, 18 were from college professors, 13 were from college or university officers (presidents or deans,) 5 were from administrators in public service, 5 were from normal school presidents and 3 were from magazine editors. The answers and the number giving each are as follows:

Absolutely, decidedly, .....	4
Yes .....	16
Probably (believe so) .....	9
The University certainly; the college probably .....	2
The University certainly; the college not .....	1
Not necessarily .....	2

Of the 8 persons who answered "No", 3 were administrators in the public service, 3 were presidents of normal schools and 2 were college or university officers, while of the 2 persons who regarded research work as a hindrance to good teaching, 1 was a magazine editor, and 1 an administrator in public service. Thirty-one of the replies came from college (or university) officers and professors and of these only 2 (both of whom were college officers) answered "No". These replies indicate that those best qualified to judge are practically a unit in their belief that research work gives life and enthusiasm to college and university teaching and that the institution which fails to provide for it, is doomed to have mediocre teaching.



## PROGRESS DURING THE YEAR

The function of a graduate school is such that a rapid growth is neither to be expected nor to be desired. For the normal development of the school, time is required for strengthening the personnel of the instructional force, for building up the material equipment necessary for research work and for fostering that spirit of productive scholarship which is the life of the school. It is believed that satisfactory progress has been made along these lines during the past year. Of special significance is the increased appropriation made by the Legislature for salaries. This will enable the University to keep its best men and to add to its list of scholars. After all, the scholarly man is the chief factor in the Graduate School. Such a man may be handicapped by lack of time and material equipment, but the man with no appreciation of scholarly work is useless even if supplied with laboratories filled with apparatus and with libraries of priceless value.

In conclusion, I wish to express my appreciation for the very hearty co-operation of all those who have at heart the interests of the Graduate School; and especially to Mr. Harry W. Kuhn who, as Secretary of the Graduate Council, has given his time unstintingly in helping with the many duties connected with the administration of the School.

Respectfully submitted,

W. McPHERSON,  
*Dean of the Graduate School.*





FINANCIAL REPORT  
OF THE  
OHIO STATE UNIVERSITY

For the Year ended June 30, 1915

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SCHEDULES A TO P

(43)

OFFICE OF THE BOARD OF TRUSTEES  
THE OHIO STATE UNIVERSITY

COLUMBUS, OHIO, October 1, 1915.

*Honorable FRANK B. WILLIS, Governor of the State of Ohio:*

SIR:—I have the honor to transmit herewith the forty-fifth annual report of the Board of Trustees of The Ohio State University.

The report, as usual, contains such statements and exhibits as are necessary to show the financial transactions of the past year, and the manner in detail of receiving and disbursing the various funds: also such other information as may be of general interest or required by law.

The Annual Report of the President of the University to the Board of Trustees is made a part of this report.

All of which is respectfully submitted.

CARL E. STEEB,  
*Secretary.*



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## CONSOLIDATED STATEMENT

*Schedule A*

## INCOME AND EXPENDITURES

Cash balance July 1, 1914 .....		\$ 39,491 56
Total income for year, <i>Schedule B-1</i> .....	\$1,501,717 07	
Less funds paid to State treasurer and not available for O. S. U.....	35,596 87	
	<u>\$1,466,120 20</u>	
Total expenditures for year, <i>Schedule C-1</i> .....	1,404,735 32	
Net surplus for year .....		<u>61,384 88</u>
Cash balance June 30, 1915 .....		\$100,876 44

## ASSETS AND LIABILITIES

Current assets at end of year, <i>Schedule D</i> .....	\$ 304,518 06	
Current liabilities at end of year, <i>Schedule D</i> .....		\$ 114,740 90
Investment assets at end of year, <i>Schedule D</i> .....	997,005 19	
Investment liabilities at end of year, <i>Schedule D</i> .....		997,005 19
Educational Plant—		
Value of lands, buildings and equipment, <i>Schedule D</i> .....	5,630,482 65	
Net investment or capital account .....		<u>5,820,259 81</u>
	<u>\$6,932,005 90</u>	<u>\$6,932,005 90</u>



## Schedule B-1

## INCOME

DESCRIPTION	Items	Total
<b>INCOME FROM STUDENTS:</b>		
Tuition, incidentals, and laboratory fees, <i>Schedule B-2</i> .....	\$185,379 00	
Special fees, degrees, etc., <i>Schedule B-2</i> .....	4,297 00	
For supplies, chemicals, laboratory material, etc .....	29,876 24	
For dormitories—Oxley Hall .....	17,631 62	
For locker rent .....	2,927 30	
		240,111 16
<b>INCOME FROM INVESTMENTS OF:</b>		
Endowments for general purposes, <i>Schedule J</i> (see below) .....		
Endowments for designated purposes, <i>Schedule K</i> (see below) .....		
Other investments (if any) .....		\$ .....
<b>INCOME FROM GRANTS BY NATION, STATE AND SPECIAL TAXATION:</b>		
State Aid: Income from endowments granted by State .....		
Income from endowments for general purposes .....	\$ 13,045 88	
Income from endowments for designated purposes .....	3,899 37	
Tax levy for current expenses .....	217,658 23	
Appropriation for current expenses .....	650,703 16	
Tax levy for building or other special purposes .....		
Appropriations for building or other special purposes .....	173,121 05	
		1,058,427 69
Federal Aid: Income from Land Grant Act of July 2, 1862, (paid by State) .....	\$ 31,450 59	
Income from other Land Grants—Virginia Military Lands (paid by State) .....	10,729 23	
Additional Aid Acts of Aug. 30, 1890 and March 4, 1907 ..	50,000 00	
For agricultural extension work (act of Congress May 8, 1914) .....	10,000 00	
		102,179 82
<b>GIFTS FOR CURRENT EXPENSES:</b>		
For general purposes, <i>Schedule O</i> .....		
For designated purposes, <i>Schedule O</i> .....	9,000 00	
Ohio Biological Survey, <i>Schedule O</i> .....	150 00	
		9,150 00
<b>INCOME FROM OTHER SOURCES:</b>		
Architecture photo .....	\$ 226 76	
Interest on deposits .....	157 00	
Rents, buildings and grounds .....	1,280 00	
Sale of produce—dairy and farm .....	31,967 62	
Veterinary clinic .....	3,340 60	
Virginia military lands .....	504 40	
Testing cows .....	11,288 24	
Miscellaneous sales, old material, etc. ....	1,543 10	
Agricultural extension .....	12 60	
University architect fees .....	5,500 00	
Homeopathic hospital clinic .....	2,309 09	
Dental clinic .....	6,326 17	
Journalism printing .....	6,271 80	
General store room .....	300 00	
College of medicine, back fees and clinic .....	379 80	
		71,407 18
<b>TEMPORARY ACCOUNTS:</b>		
Refunds and reimbursements .....	5,848 61	
Oxley Hall, State Treasurer, balance Feb. 15, 1915, to O. S. U. Treasurer .....	6,595 20	
Homeopathic Hospital (transferred from O. S. U. Treasurer to State Treasurer) .....	1,500 00	
Warehouse .....	6,497 41	
		20,441 22
Total Income .....		\$1,501,717 07
Less funds paid to State Treasurer and not available for O. S. U. ....		35,596 87
Total available income .....		\$1,466,120 20

## Schedule B-2

## RECEIPTS FROM STUDENTS

COLLEGE	Annual Fees		Number Registered	Number Paying Fees	Number not Paying Fees	Penalties and Other Fees	Gross Receipts	Refunds	Net Receipts
	Tuition	Incidentals							
Agriculture .....		\$30 00	1017	973	44	\$1,864 00	\$31,054 00	\$1,686 00	\$29,368 00
Agriculture, three years course .....		20 00	146	145	1	304 00	3,204 00	293 00	2,911 00
Agriculture, winter course <sup>1</sup> .....		6 00	192	192			1,211 00	182 00	1,029 00
Arts .....		30 00	982	982		1,485 00	30,945 00	1,276 50	29,668 50
Dentistry .....	\$150 00		121	121		769 00	18,919 00	466 50	18,452 50
Education <sup>3</sup> .....		30 00	327	327		165 00	9,075 00	218 50	8,856 50
Engineering <sup>2</sup> .....		30 00	822	822		1,671 50	27,031 50	1,703 00	25,328 50
Homeopathic Medicine .....	125 00		46	46		24 50	5,774 50	87 00	5,687 50
Law .....	45 00	15 00	197	197		297 50	12,117 50	401 00	11,716 50
Medicine .....	150 00		223	223		1,324 00	34,774 00	433 00	34,341 00
Pharmacy .....		30 00	91	91		195 00	2,925 00	189 00	2,736 00
Veterinary Medicine .....		30 00	177	176	1	369 00	5,649 00	352 00	5,297 00
Graduate School .....		30 00	161	86	75	83 00	2,663 00	106 00	2,557 00
Summer Sessions <sup>5</sup> .....		8 00	943	936	7		7,454 00	24 00	7,430 00
Totals .....			5445	5317	128	\$8,551 50	\$192,796 50	\$7,417 50	\$185,379 00
Auditors .....	\$1 00 per	sem.							71 00
Special Examinations .....	\$2 00 each								268 00
Diplomas .....	\$5 00 First	Degree	\$10 00 High	er Degree					3,958 00
Total Fees .....									\$189,676 00

<sup>1</sup> \$3,703.00 paid Ohio Union in cash.<sup>2</sup> Includes 10 Optometry Students @ \$100.00 per year.<sup>3</sup> Includes 45 Teachers @ \$10 00 per year.<sup>4</sup> Includes 41 Dairy Course Students @ \$3.00.<sup>5</sup>Fees differ—Home Economics, \$5.00.

Lake Laboratory, \$10.00 and \$20.00.

Auditors, \$1.00.



Schedule C-1

## CLASSIFIED EXPENDITURES

	Items	Totals
<b>EXPENSE:</b>		
Salaries .....	\$752,823 35	
*Employees and extra labor .....	65,825 01	
Material and general supplies .....	54,740 43	
Laboratory supplies .....	55,535 73	
Coal and gas .....	24,936 41	
Water .....	7,981 40	
Stationary and office supplies (including postage) .....	15,328 35	
Printing, bulletins and catalogues .....	10,176 97	
Advertising .....	1,191 77	
Traveling expenses .....	10,237 97	
Oxley Hall—food supplies .....	9,433 48	
Repairs—equipment .....	5,401 46	
Freight and cartage .....	5,547 80	
Incidentals .....	25,776 41	
Feed—live stock .....	7,590 64	
Virginia Military Lands .....	2,769 22	
Cow testing (see receipts) .....	11,288 24	
Trustees expenses .....	291 61	
Research .....		
Scholarships and student aid .....	3,630 00	
Total Expenses, Schedule C-2 .....		\$1,070,506 25
<b>EQUIPMENT:</b>		
Apparatus .....	\$38,708 40	
Books .....	14,560 84	
Collections .....	591 50	
Furniture and Fixtures .....	33,860 46	
Horses, wagons and harness .....	1,867 95	
Live stock .....	3,003 88	
Machinery, tools and implements .....	30,563 52	
Tunnels, conduits and heating lines .....	14,402 25	
Total Equipment, Schedule C-2 .....		137,558 80
ADDITIONS TO BUILDINGS .....		33,754 13
CLUSTER LIGHTS .....		3,257 02
FARM LANDS .....		
FIRE PROTECTION .....		5,799 49
NEW BUILDINGS Schedule C-2 .....		116,262 85
RAILWAY Schedule C-2 .....		449 96
SEWERS Schedule C-2 .....		111 49
GRADING, PLANTING, ROADS, WALKS, ETC., (new walks) .....		13,486 11
<b>TEMPORARY ACCOUNTS:</b>		
Refunds and Reimbursements .....		4,255 88
Warehouse .....		11,198 14
Oxley Hall—State Treasurer balance Feb. 15, to O. S. U. Treasurer .....		6,595 20
Homeopathic Hospital gifts transferred from O. S. U. Treasurer to State Treasurer .....		1,500 00
Total Expenditures .....		\$1,404,735 32

\*Amount paid Students, \$23,844.77.

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS

DESCRIPTION	Expense Items	Totals	Equipment Items (Assets)	Totals	Total Cost of Department or Division	Totals
DEPARTMENTS:						
(Details expense items, Sch. C-3; Details equipment items, Sch. C-4)						
Agricultural Chemistry	\$10,162 46		\$1,146 35		\$11,308 81	
Agricultural Engineering	4,573 37		381 83		4,955 20	
Agronomy	8,120 36		455 43		8,575 79	
American History	5,032 38		369 60		5,401 98	
Anatomy	6,751 35		140 25		6,891 60	
Animal Husbandry	29,515 62		3,367 18		32,882 80	
Architecture	6,260 82		373 15		6,633 97	
Art	5,088 22		1,139 17		6,227 39	
Astronomy	4,823 92		1,539 41		6,363 33	
Bacteriology	7,799 91		148 87		7,948 78	
Botany	11,683 64		3,809 31		15,492 95	
Ceramic Engineering	9,089 02		212 96		9,301 98	
Chemistry	30,252 92		1,647 12		31,900 04	
Chemistry-Medicine	3,490 71		133 25		3,623 96	
Civil Engineering	15,640 60		766 12		16,406 72	
Dairying	31,900 86		1,919 10		33,819 96	
Dentistry	13,372 18		107 40		13,479 58	
Dispensaries	1,389 58		436 14		1,825 72	
Economics and Sociology	21,623 37		461 77		22,085 14	
Electrical Engineering	10,158 96		1,161 10		11,320 06	
Engineering Drawing	14,695 49		285 91		14,981 40	
English	23,633 00		99 40		23,732 40	
European History	7,890 53		152 40		8,042 93	
Forestry	6,367 12		3,003 17		9,370 29	
Geology	9,701 26		695 80		10,397 06	
German	14,770 73		62 00		14,832 73	
Greek	3,008 41		151 11		3,159 52	
History and Philosophy of Education	3,320 38		35 27		3,355 65	
Home Economics	14,900 08		522 97		15,423 05	
Homeopathic Medicine	10,943 56		2,047 08		12,990 64	
Homeopathic Hospital	6,107 47		4,102 95		10,210 42	
Hospitals	6,304 17		202 50		6,506 67	
Horticulture	12,737 09		2,202 30		14,939 39	
Industrial Arts	15,274 04		1,732 99		17,007 03	
Journalism	2,017 62		102 94		2,120 56	
Journalism-Printing	10,205 74		7,691 93		17,897 67	
Latin	8,171 22		73 31		8,244 53	
Law	20,033 36		499 80		20,533 16	
Manual Training	2,051 15		114 20		2,165 35	
Mathematics	19,509 48		28 96		19,538 44	
Mechanical Engineering	13,865 11		1,271 19		15,136 30	
Mechanics	5,238 46		27 79		5,266 25	
Medicine-Administration	9,563 76		309 84		9,873 60	
Metallurgy	4,818 80		579 82		5,398 62	
Meteorology	500 00				500 00	
Military Science	5,262 31		264 65		5,526 96	
Mine Engineering	4,727 36		714 98		5,442 34	
Mineralogy	2,100 70		281 38		2,382 08	
Obstetrics	393 00				393 00	
Pathology and Bacteriology	12,177 04		866 19		13,063 23	
Pharmacy	6,712 02		37 28		6,749 30	
Philosophy	6,556 24		29 23		6,585 47	
Physical Education	11,128 55		290 53		11,419 08	
Physics	19,571 74		1,082 08		20,653 82	
Physiology	8,270 21		137 88		8,408 09	
Physiology-Medicine	3,453 40		212 95		3,666 35	
Political Science	4,539 56				4,539 56	
Principles and Prac. of Ed	3,335 22		23 79		3,359 01	
Psychology	10,677 67		668 79		11,346 46	
Romance Languages	14,567 79		150 19		14,717 98	
Rural Economics	24,943 35		4,012 00		28,955 35	
School Administration	9,051 08		81 79		9,132 87	
Surgery	2,473 21		294 79		2,768 00	
Therapeutics	3,550 00				3,550 00	
Veterinary Medicine	23,101 91		1,860 69		24,962 60	
Zoology and Entomology	13,954 24		5,002 07		18,956 31	
Total Departments		\$672,904 88		\$61,742 40		\$734,647 28
Summer Schools	22,543 91		63 58		22,607 49	
Winter Course Lectures	2,449 15				2,449 15	
Total Summer and Winter Courses		24,993 06		63 58		25,056 64
Forward		\$697,897 94		\$61,805 98		\$759,703 92



## Schedule C-2 Continued

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS—Continued

DESCRIPTION	Expense Items	Totals	Equip- ment Items (Assets)	Totals	Total Cost of Depart- ment or Division	Totals
Brought forward .....		\$697,897 94		\$61,805 98		\$759,703 92
LIBRARY .....	\$24,534 92		\$18,290 23		\$42,825 15	
Total Library .....		24,534 92		18,290 23		42,825 15
SPECIAL FUNDS .....						
Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Winter Course in Highway Engineering .....	853 50				853 50	
University Architect .....	6,164 94		60 53		6,225 47	
Architecture Photo .....	452 86				452 86	
Official Milk Testing .....	1,354 43				1,354 43	
High School Visitors .....	143 60				143 60	
Agricultural Extension .....	38,446 23		1,214 18		39,660 41	
Ohio Biological Survey .....	1,799 67				1,799 67	
Total Special Funds .....		49,215 23		1,274 71		50,489 94
ADMINISTRATION AND GENERAL ACCOUNTS:						
Executive Offices .....	56,784 59		1,904 91		58,689 50	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Store Room .....	33,894 17		6,039 92		39,934 09	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Stenographic and Clerical ..	13,651 32				13,651 32	
(Details expense items in Sch. C-3) .....						
Incidentals .....	10,032 93		4,364 28		14,397 21	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Commencement Exercises ..	2,324 90				2,324 90	
(Details Schedule C-3) ..						
O. S. U. Association .....	2,417 04				2,417 04	
(Details, Schedule C-3) ..						
Y. M. C. A. .....	900 00				900 00	
(Details Schedule C-3) ..						
Y. W. C. A. .....	950 00				950 00	
(Details, Schedule C-3) ..						
Trustees Expenses .....	291 61				291 61	
Advertising .....	1,191 77				1,191 77	
Water .....	7,981 40				7,981 40	
Total Adm. and Gen'l .....		130,419 73		12,309 11		142,728 84
OPERATION, MAINTENANCE & EQUIPMENT OF PLANT:						
Library—Brown Hall .....	160 45		477 05		637 50	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Repairs Building, (Current) ..	26,149 16				26,149 16	
(Details, Schedule C-3) ..						
Supt. Bldgs. and Grounds, Carpenters, Mechanics, etc. .....	27,549 85		1,960 54		29,510 39	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4) .....						
Roads and Grounds .....	5,385 19		844 11		6,229 30	
(Details expense items in Sch. C-3; Details equipment items, Sch. C-4) .....						
Janitors, Police and Elevator Men (Details, Sched. C-3) ..	28,023 15				28,023 15	
Amount forward .....	\$87,267 80	\$130,419 73	\$3,281 70	\$12,309 11	\$90,549 50	\$142,728 84

Scheduled C-2—Concluded

## EXPENDITURES BY DEPARTMENTS OR DIVISIONS—Concluded

DESCRIPTION	Expense Items	Totals	Equipment Items (Assets)	Totals	Total Cost of Department or Division	Totals
Brought forward .....	\$87,267 80	\$130,419 73	\$3,281 70	\$ 12,309 11	\$90,549 50	\$ 142,728 84
Laundry .....	1,832 91		2,661 58		4,494 49	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4).						
Power Plant .....	20,056 76		37,441 82		57,498 58	
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4).						
Coal and Gas .....	24,936 41				24,936 41	
Total Operation, Maintenance and Equipment .....		134,093 88		43,385 10		177,478 98
DORMITORIES AND DINING HALLS:						
(Details expense items in Sch. C-3; Details equipment items in Sch. C-4)						
Oxley Hall, (See Receipts) ..	16,657 09		493 67		17,150 76	
Total Dormitories, etc. ....		16,657 09		493 67		17,150 76
MISCELLANEOUS EXPENSES:						
Virginia Military Lands .....	2,769 22				2,769 22	
Cow Testing (See Receipts) ..	11,288 24				11,288 24	
Scholarships & Student Aid ..	3,630 00				3,630 00	
Total Misc. Expense .....		17,687 46				17,687 46
Total Ex. and Equip. ....		\$1,070,506 25		\$137,558 80		\$1,208,065 05
NEW BUILDINGS:						
(Details in Schedule C-4).						
Contracts .....			96,229 02			
Architects .....			13,038 40			
Printing and Advertising .....			154 93			
Freight, extra labor and material .....			6,840 50			
Total Expenditures for new Buildings .....						116,262 85
ADDITIONS TO BUILDINGS ..			33,754 13			
(Details in Schedule C-4).						
CLUSTER LIGHTS:						
Freight, labor, material and tools .....			3,257 02			
FIRE PROTECTION:						
Freight, labor, material and tools .....			5,799 49			
RAILWAY:						
Freight, labor and material ..			449 96			
GRADING, PLANTING, ROADS, WALKS, ETC						
Labor and material .....			13,486 11			
SEWERS:						
Labor and material .....			111 49			
Total .....						56,858 20
TEMPORARY ACCOUNTS:						
Refunds and reimbursements ..						4,255 88
Oxley Hall State Treas. balance, Feb. 15, 1915, to O. S. U. Treas. ....						6,595 20
Homeopathic Hospital. (Transferred from O. S. U. Treas. to State Treas.) .....						1,500 00
Warehouse .....						11,198 14
Total Expenditures .....						\$1,404,735 32
Schedule C-1.						



## DEPARTMENTAL EXPENSES

Schedule C-3

DEPARTMENT OR DIVISION	Salaries Instruction	Salaries Super- intendent and Others	Employees and Extra Labor	Stationery and Office Supplies	Incidentals	Laboratory Supplies	Material and General Supplies	Repairs of Equip- ment	Freight and Cartage	Feed	Re- search	Total Expenses
Agricultural Chemistry	\$ 8,800 00		\$ 826 38	\$ 86 68		\$ 367 23	\$ 57 14	\$ 7 46	\$ 17 57			\$ 10,162 46
Agricultural Engineering	3,400 00	\$ 800 00	125 05	66 54	\$ 1 13	42 89	72 02		65 74			4,573 37
Agronomy	7,270 00		468 14	105 87	15 70	167 43	58 95	17 93	16 34			8,120 36
American History	5,000 00		2 63	16 10	60		8 58		4 47			5,032 38
Anatomy	6,625 00		6 63	14 66	79 11		25 60		35			6,751 35
Animal Husbandry	11,400 00	4,971 83	3,730 84	207 48	603 58	320 27	845 03	28 38	489 48	\$6,918 73		29,515 62
Architecture	6,200 00		6 65	18 77	3 56	23 91	34	3 61	3 98			6,260 82
Art	4,850 00		72 10	32 43		42 54	66 77		24 38			5,088 22
Astronomy	4,550 00		37 13	32 57	8 42		179 66	3 00	13 14			4,823 92
Bacteriology	7,400 00		2 47	20 00	28 28	277 96	58 04	10 08	3 08			7,799 91
Botany	10,900 00		98 89	50 49	35 78	239 72	275 47	3 95	79 34			11,683 64
Ceramic Engineering	7,750 00	600 00	371 46	36 11	9 71	223 24	30 57	12 82	55 11			9,089 02
Chemistry	28,050 00		449 85	292 01	56 41	1,198 71	107 63	55 55	42 76			30,252 92
Chemistry-Medicine	3,450 00		16 00		13	20 93	2 55		1 10			3,490 71
Civil Engineering	14,870 00		173 46	132 56	23 23	162 67	92 25	163 64	22 79			15,640 60
Dairying	8,000 00	294 00	5,265 40	343 71	129 95	16,696 42	849 50	221 90	99 98			31,900 86
Dentistry	9,300 00	300 80	21 48	45	23 76	3,798 98	39 73		7 79			13,372 18
Dispensaries	400 00	300 80	21 48	45	23 76	501 81	94 00	1 60	45 68			1,389 58
Economics and Sociology	21,150 00	300 00	4 00	126 89		26 00			16 48			21,623 37
Electrical Engineering	7,654 00	1,500 00	7 60	129 22	90 78	371 58	221 30	103 54	80 94		+(150 00)	10,158 96
Engineering Drawing	14,400 00		7 03	169 96	13 16	52 30	39 30	3 07	10 67			14,695 49
English	23,550 00			78 85	3 09				1 06			23,633 00
European History	7,850 00			34 41			17		5 95			7,890 53
Forestry	5,600 00		178 48	78 51	1 48	101 99	324 19		80 97			6,367 12
Geology	9,200 00		224 04	18 51	84 30	26 63	114 01	8 12	25 65			9,701 26
German	14,750 00			19 49			88	1 50	36			14,770 73
Greek	3,000 00			4 25			88		3 28			3,008 41
History and Philosophy of Education	3,000 00		41 62	15 90	250 00		12 26		60			3,320 38
Home Economics	12,316 25	480 00	164 07	161 85	23 24	1,589 61	142 89	4 00	18 17			14,900 08
Homeopathic Medicine	9,725 00		81 20	376 52	11 62	669 41	45 24		34 57			10,943 56
Homeopathic Hospital	683 75	193 88	547 27	63 10	2,302 92	1,798 22	474 78	69	42 86		+(213 26)	6,107 47
Horticulture	7,950 00		2,592 35	177 67	50 58	488 54	1,301 77	29 73	146 45			12,737 09
Hospital	1,000 00	641 67			4,662 50							5,304 17
Industrial Arts	12,570 00		319 63	52 47	113 98	1,951 43	148 56	87	117 10			15,274 04
Journalism	2,000 00			17 19					43			2,017 62
Journalism, Printing	4,146 65		1,684 89	351 34	1,532 11	1,185 07	1,065 75	2 00	237 93			10,205 74
Latin	8,150 00		5 43	6 33			7 76		1 70			8,171 22
Law	19,900 00		26 57	88 18	10 00		7 17		1 44			20,033 36
Manual Training	2,000 00		10 80	7 00	35	13 08	5 20		14 72			2,051 15
Mathematics	19,450 00		22 75	22 66			13 69		38			19,509 48
Mechanical Engineering	9,200 00	1,860 00	668 41	63 68	97 21	727 90	991 56	159 82	96 53			13,865 11
Mechanics	5,200 00		10 62	12 00		2 50	1 87	11 47				5,238 46
Amount forward	\$372,660 65	\$11,942 18	\$18,264 59	\$3,558 17	\$10,394 11	\$33,168 08	\$7,783 06	\$854 73	\$1,931 32	\$6,918 73	\$363 26	\$467,475 72

## Schedule C-3—Continued

## DEPARTMENTAL EXPENSES—Continued

DEPARTMENT OR DIVISION	Salaries Instruction	Salaries Superin- tendent and others	Employees and Extra Labor	Station- ery and Office Supplies	Incidentals	Laboratory Supplies	Material and General Supplies	Repairs of Equip- ment	Freight and Cartage	Feed	Research	Total Expenses
Brought forward.....	\$372,660 65	\$11,942 18	\$18,264 59	\$3,558 17	\$10,394 11	\$33,168 08	\$7,783 06	\$854 73	\$1,931 32	\$6,918 73	\$ 363 26	\$467,475 72
Medicine, Administrative.....		5,682 00	1 50	401 78	2,788 42	149 11	338 79	180 15	22 01			9,563 76
Metallurgy.....	4,025 00		471 22	22 35	6 17	189 12	37 89	47 04	20 01			4,818 80
Meteorology.....	500 00											500 00
Military Science and Tactics.....	1,950 00	2,792 50	87 20	59 99	92 23		144 10	15 25	121 04			5,262 31
Mine Engineering.....	4,550 00		69 15	14 79	50 00	27 25	12 28		3 89			4,727 36
Mineralogy.....	1,900 00		7 35	3 74		175 71	4 19	1 00	8 71			2,100 70
Obstetrics.....						393 00						393 00
Pathology and Bacteriology.....	8,800 00	600 00	4 00	5 26	325 48	2,390 39	38 14	3 54	10 23			12,177 04
Pharmacy.....	6,600 00		18 10	27 86	30 86	19 29	14 80		1 11			6,712 02
Philosophy.....	6,550 00			6 24								6,556 24
Physical Education.....	8,650 00	870 00	570 14	177 16	418 96	9 33	293 00	91 50	48 46			11,128 55
Physics.....	17,100 00	1,200 00	374 72	44 91	8 46	398 22	265 04	130 29	50 10		†(64 45)	19,571 74
Physiology.....	8,200 00			4 85		63 17	39		1 80			8,270 21
Physiology, Medicine.....	3,250 00				30	201 55	80		75			3,453 40
Political Science.....	4,500 00		34 30	5 00					26			4,539 56
Principles and Practice of Educa- tion.....	3,300 00			14 87	20 00				35			3,335 22
Psychology.....	10,400 00		24 92	106 72	11 60	78 58	36 68	10 73	8 44			10,677 67
Romance Languages.....	14,550 00			16 07	56				1 16			14,567 79
Rural Economics.....	8,400 00	5,762 00	6,032 10	636 84	1,010 89		2,355 34	175 06	152 39	418 73		24,943 35
School Administration.....	9,000 00			39 28		25	10 76		79			9,051 08
Surgery.....	1,500 00					933 73	36 48		3 00			2,473 21
Therapeutics.....	3,550 00											3,550 00
Veterinary Medicine.....	18,800 00	100 00	762 81	195 07	277 38	2,326 16	499 45	45 30	95 74			23,101 91
Zoology and Entomology.....	13,200 00		111 50	75 69	7 80	174 22	259 02	4 00	122 01			13,954 24
Total Department Expense.....	\$531,935 65	\$28,948 68	\$26,833 70	\$5,416 64	\$15,443 22	\$40,697 16	\$12,130 21	\$1,558 59	\$2,603 57	\$7,337 46	\$(427 71)	\$672,904 88

†These amounts already included in classification of their respective departments.



## DEPARTMENTAL EXPENSES—Concluded

Schedule C-3—Concluded

DEPARTMENT OR DIVISION	Salaries	Salaries Assistants, Clerks and Stenog- raphers	Employees and Extra Labor	Stationery and Office Supplies	Incidentals	Laboratory Supplies	Material and General Supplies	Repairs of Equipment	Freight and Cartage	Traveling Expenses	Printing Bulletins and Catalogues	Total Expenses
<b>SPECIAL INSTRUCTION:</b>												
Summer Schools .....	\$21,677 50		\$ 266 08	\$ 46 01	\$ 167 48	\$ 87 92	\$ 74 17		\$111 01	\$ 90 37	\$ 23 37	\$22,543 91
Winter Course Lectures...	1,935 00		99 94	73 85	22 50	19 61	107 13		56	97 56	93 00	2,449 15
Total Special Instruction Dept. Expense .....	23,612 50		366 02	119 86	189 98	107 53	181 30		111 57	187 93	116 37	24,993 06
<b>LIBRARY</b> .....	2,000 00	\$14,140 00	3,990 37	921 66	94 62		285 41	\$2,788 87	313 99			24,534 92
<b>SPECIAL FUNDS:</b>												
University Architect .....	5,620 00		415 85	97 55	5 27		25 21		1 06			6,164 94
Architecture Photo .....			244.31	7 51		180 50	4 51	90	15 13			452 86
High School Visitors .....										143 60		143 60
Agricultural Extension .....	19,505 69	6,481 38	390 93	1,294 02	818 33		1,060 05	47 18	402 72	7,462 19	983 74	38,446 23
Ohio Biological Survey .....			122 10	13 20	225 00		25 71		3 28	122 23	1,288 15	1,799 67
Official Milk Testing .....		720 00	183 98	54 00	138 02	4 25	113 08	10 00	27 35	103 75		1,354 43
Winter Course in Highway Engineering .....	175 00		148 05	120 87	23 50		1 78		6 58	313 22	64 50	853 50
Total Special Funds .....	25,300 69	7,201 38	1,505 22	1,587 15	1,210 12	184 75	1,230 34	58 08	456 12	8,144 99	2,336 39	49,215 23
<b>EXECUTIVE OFFICES:</b>												
President .....	7,000 00	2,220 00	100 50	279 74	157 60			5 34	2 60	25 05		9,790 83
Secretary .....	5,000 00	11,691 67	605 65	1,158 79	335 63			47 42	260 48	9 45	718 00	19,827 09
Registrar .....	2,200 00	3,405 84	1,348 16	1,313 32	31 65			46 00	16 18		16 67	8,377 82
Dean of Women .....	2,000 00	512 10	54 50	92 81	4 50		18 21		43			2,682 55
Editor & Board of Publica. Entrance Board .....	900 00	1,221 70	575 31	30 91	572 31	3 46	3 46	1 00	154 82		6,087 75	8,974 95
Offices, Grad. School, etc. Mailing Room .....	2,200 00	1,175 01	22 40	224 47	113 51			1 10	2 01	13 70		3,752 20
	2,325 00		46 62	388 31	80 07		8 76	2 45	2 04		10 39	2,863 64
			140 36	316 36	30 00		7 36		21 43			515 51
Total Exec. Offices .....	20,725 00	19,904 02	3,539 89	4,349 11	783 87		37 79	103 31	459 99	48 20	6,832 81	56,784 59
<b>STORE ROOM</b> .....	1,600 00	5,760 00	2,846 02	1,241 32	52 83	14 546 29	6,790 11	176 59	627 83		253 18	33,894 17
<b>STENOGRAPHIC &amp; CLERICAL</b> <b>INCIDENTALS</b> .....	*200 00	13,651 32	1,594 70	1,510 36	2,532 69		2,049 99	92 83	171 39	1,856 85	24 12	13,651 32
<b>COMMENCEMENT EXERCISES</b> <b>LAUNDRY</b> .....		400 00	234 69	102 69	860 45		250 53		9 26		867 28	10,032 93
<b>ROADS AND GROUNDS</b> <b>LIBRARY, BROWN HALL</b> <b>REPAIRS, BLDGS. (Current)</b> <b>SUPT. BLDGS. AND GRDS.</b> <b>POLICE, ELE. MEN., JAN'S</b> <b>POWER PLANT</b> <b>OXLEY HALL</b> .....			449 91	6 69	1 22		956 44	75	17 90			1,832 91
			3,744 59		31 35		1,476 39	33 13	99 73			5,385 19
			30 62				89 49		40 34			160 45
			9,874 06		1 75		15,952 36	229 30	91 69			26,149 16
			1,882 64	36 42	453 04		9,922 85	337 41	453 61			27,549 85
												28,023 15
			4,911 07		48 35	Food	2,225 55	10 97	69 34			20,056 76
	1,000 00		4,016 10	35 14	263 92	9,433 48	1,161 67	11 63	20 15			16,657 09
<b>Y. W. C. A.</b> .....		450 00			500 00							950 00
<b>Y. M. C. A.</b> .....					900 00							900 00
<b>O. S. U. ASSOCIATION</b> .....			5 41	1 31	2,409 00				1 32			2,417 04

\*Lectures.

# LANDS, BUILDINGS AND EQUIPMENT

## EQUIPMENT

DEPARTMENT OR DIVISION	Apparatus	Books	Collections	Furniture and Fixtures	Horses, Wagons and Harness	Live Stock	Machinery, Tools and Implements	Totals
Agricultural Chemistry .....	\$ 1,010 39			\$ 135 96				\$ 1,146 35
Agricultural Engineering .....	78 43			303 40				381 83
Agronomy .....	260 95			185 83			8 65	455 43
American History .....	275 00			93 60				369 60
Anatomy .....	138 99			1 26				140 25
Animal Husbandry .....	279 62			15 17	53 80	3,003 88	14 71	3,367 18
Architecture .....	283 90			89 25				373 15
Art .....	970 19	39 55		129 43				1,139 17
Astronomy .....	1,491 11			28 85			19 45	1,539 41
Bacteriology .....	97 14			51 73				148 87
Botany .....	1,571 09	6 12		2,232 10				3,809 31
Ceramic Engineering .....	205 24	6 25		1 47				212 96
Chemistry .....	1,596 66			50 46				1,647 12
Chemistry-Medicine .....	133 25							133 25
Civil Engineering .....	541 11			225 01				766 12
Dairying .....	1,107 41			568 38	236 13		7 18	1,919 10
Dentistry .....	104 40			3 00				107 40
Dispensaries .....	430 41			5 73				436 14
Economics and Sociology .....				461 77				461 77
Electrical Engineering .....	1,141 92			42			18 76	1,161 10
Engineering Drawing .....	145 78			123 13			17 00	285 91
English .....	14 00			85 40				99 40
European History .....	141 05			11 35				152 40
Forestry .....	2,016 55			986 62				3,003 17
Geology .....	233 50	28 40	210 00	223 90				695 80
German .....				62 00				62 00
Greek .....	136 57	6 49		8 05				151 11
History and Philosophy of Education .....	10 35			24 92				35 27
Home Economics .....	377 13			145 84				522 97
Homeopathic Medicine .....	1,528 05			519 03				2,047 08
Homeopathic Hospital .....	2,376 87			1,720 06			6 02	4,102 95
Horticulture .....	1,125 35			1,046 01			30 94	2,202 30
Hospitals .....				202 50				202 50
Industrial Arts .....	1,468 49			264 50				1,732 99
Journalism .....				102 94				102 94
Journalism Printing .....	7,514 14			177 79				7,691 93
Latin .....	53 56	8 74		11 01				73 31
Law .....				499 80				499 80
Medicine-Administration .....	9 94	160 00		119 32			20 58	309 84
Manual Training .....	114 20							114 20
Amount forward .....	\$28,983 74	\$255 55	\$210 00	\$1,916 99	\$289 93	\$3,003 88	\$143 29	\$43,803 38



## LANDS, BUILDINGS AND EQUIPMENT

## EQUIPMENT—Continued

DEPARTMENT OR DIVISION	Apparatus	Books	Collections	Furniture and Fixtures	Horses, Wagons and Harness	Live Stock	Machinery Tools and Implements	Totals
Brought forward .....	\$28,983 74	\$255 55	\$210 00	\$10,916 99	\$289 93	\$3,003 88	\$143 29	\$43,803 38
Mathematics .....	5 96			23 00				28 96
Mechanical Engineering .....	997 26			252 14			21 79	1,271 19
Mechanics .....	27 79							27 79
Metallurgy .....	513 54			66 28				579 82
Military Science and Tactics .....	223 70			40 95				264 65
Mine Engineering .....	714 98							714 98
Mineralogy .....	168 48			112 90				281 38
Pathology and Bacteriology .....	828 25			57 94				886 19
Pharmacy .....	37 28							37 28
Philosophy .....				29 23				29 23
Physical Education .....	251 99			38 54				290 53
Physics .....	1,060 18			21 90				1,082 08
Physiology .....	137 88							137 88
Physiology-Medicine .....	168 40			44 55				212 95
Principles and Practice of Education .....				23 79				23 79
Psychology .....	397 64			271 15				668 79
Romance Languages .....	10 00			140 19				150 19
Rural Economics .....	419 58			946 39	1,322 02		1,324 01	4,012 00
School Administration .....	3 95			77 84				81 79
Surgery .....	294 79							294 79
Veterinary Medicine .....	721 14		381 50	715 05			43 00	1,860 69
Zoology and Entomology .....	1,132 36			3,866 17			3 54	5,002 07
Total Dept. Equipment .....	\$37,098 89	*\$255 55	\$591 50	\$17, 645 00	\$1,611 95	\$3,003 88	\$ 1,535 63	\$61,742 40
Summer Schools .....	53 58			10 00				63 58
Total Special Dept. Equipment .....	53 58			10 00				\$63 58
Amount forward .....	\$ 37,152 47	\$ 255 55	\$ 591 50	\$ 17,655 00	\$ 1,611 95	\$ 3,003 88	\$ 1,535 63	\$ 61,805 98

\*Added to Library Equipment.

## LANDS, BUILDINGS AND EQUIPMENT

## EQUIPMENT—Continued

DEPARTMENT OR DIVISION	Apparatus	Books	Collections	Furniture and Fixtures	Horses, Wagons and Harness	Live Stock	Machinery, Tools and Implements	Tunnels, Conduits and Heating Lines	Totals
Brought forward.....	\$37,152 47	*\$255 55	\$591 50	\$17,655 00	\$1,611 95	\$3,003 88	\$1,535 63		\$61,805 98
LIBRARY .....		14,297 96		3,992 27					18,290 23
SPECIAL FUNDS:									
Agricultural Extension .....	312 68	• 3 00		894 35			4 15		1,214 18
University Architect .....	5 78			54 75					60 53
Total Special Funds .....	318 46	3 00		949 10			4 15		1,274 71
ADMINISTRATION AND GENERAL:									
Executive Offices:									
President .....				174 77					174 77
Secretary .....				915 29					915 29
Registrar .....				304 45					304 45
Editor—Bd. of Publication .....				57 56					57 56
Entrance Board .....				220 17					220 17
Dean of Women .....				131 36					131 36
Graduate School, etc. ....				101 31					101 31
Store Room .....	1,237 47	4 33		1,672 92			3,125 20		6,039 92
Incidentals .....				4,347 60			16 68		4,364 28
Total Administration and General .....	\$1,237 47	\$4 33		\$7,925 43			3,141 88		12,309 11
PLANT EQUIPMENT:									
Library—Brown Hall .....				477 05					477 05
Power Plant .....				1,523 36			21,516 21	14,402 25	37,441 82
Roads and Grounds .....					256 00		588 11		844 11
Laundry .....				57 96			2,603 62		2,661 58
Supt. Bldg. and Grounds .....				786 62			1,173 92		1,960 54
Total Plant and Equipment .....				2,844 99	\$256 00		\$25,881 86	\$14,402 25	\$43,385 10
DORMITORIES AND DINING HALL:									
Oxley Hall .....				493 67					493 67
Total expenditures for Equipment, Schedule C-2 .....	\$38,708 40	\$14,560 84	\$591 50	\$33,860 46	\$1,867 95	\$3,003 88	\$30,563 52	\$14,402 25	\$137,558 80



## Schedule C-4—Concluded

## LANDS, BUILDINGS AND EQUIPMENT

## LANDS

DESCRIPTION	Items	Totals
Cluster lights.....	\$ 3,257 02	
Fire protection.....	5,799 49	
Sewers.....	111 49	
Railway to grounds.....	449 96	
Grading, planting, roads, walks, etc.....	13,486 11	
Additions to buildings.....	33,754 13	
*Homeopathic hospital.....	\$ 1,387 00	
†Ohio Union.....	455 45	
Physics building.....	30,533 68	
Robinson laboratory.....	333 00	
Veterinary clinic building.....	1,045 00	
Total expenditures for lands and improvements, Schedule C-2.....		\$ 56,858 20
NEW BUILDINGS		
Freight house and kiln room.....	\$ 12,560 02	
Horticulture and forestry building.....	61,484 33	
Botany and zoology building.....	34,064 60	
Library building.....	7,732 57	
Home economics building.....	405 42	
New shops.....	15 91	
Total expenditures for new buildings for year, Schedule C-2.....		\$116,262 8

\*Formerly Dormitory Small (Boys).

†Formerly listed Students' Building.

## DEPARTMENTAL SALARIES—INSTRUCTION

COLLEGE OR DEPARTMENT	Professors		Emeritus Professors		Associate Professors		Assistant Professors		Instructors		Assistants		Graduate Assistants		Student Assistants		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Agricultural Chemistry	2	\$ 5,000.00							3	\$ 3,200.00	1	\$ 600.00					6	\$ 8,800.00
Agricultural Engineering	1	2,000.00							1	1,400.00							2	3,400.00
Agronomy	1	2,000.00					1	\$ 1,800.00	1	1,000.00	5	2,470.00					8	7,270.00
American History	1	2,000.00					1	1,500.00	1	1,200.00			1	\$ 300.00			4	5,000.00
Anatomy	1	3,000.00					1	2,000.00	1	1,150.00					8	475.00	11	6,625.00
Animal Husbandry	2	5,000.00					3	5,400.00	1	1,000.00							6	11,400.00
Architecture	2	3,300.00							2	2,900.00							4	6,200.00
Art							1	2,300.00	2	2,550.00							3	4,850.00
Astronomy	1	2,750.00			1	\$ 1,800.00											2	4,550.00
Bacteriology	1	2,750.00					1	1,500.00	2	2,200.00	2	875.00			1	75.00	7	7,400.00
Botany	1	2,500.00					4	6,000.00	2	1,080.00	1	720.00	1	300.00	2	300.00	11	10,900.00
Ceramic Engineering	2	6,250.00					1	1,500.00									3	7,750.00
Chemistry	5	13,500.00	1	\$ 1,250.00			2	3,000.00	1	1,200.00	9	5,200.00	14	3,900.00			32	28,050.00
Chemistry, Medicine		* 500.00					1	1,350.00	1	850.00	2	750.00					4	3,450.00
Civil Engineering	3	8,000.00					3	3,470.00	3	3,400.00							9	14,870.00
Dairying	1	3,000.00					3	5,000.00									4	8,000.00
Dentistry	3	3,400.00							9	5,450.00	1	400.00			1	50.00	14	9,300.00
Dispensaries	1	400.00															1	400.00
Economics and Sociology	5	10,550.00					2	3,200.00	4	4,800.00	4	2,600.00					15	21,150.00
Electrical Engineering	2	4,700.00							2	2,300.00	3	654.00					7	7,654.00
Engineering Drawing	1	3,000.00					3	4,700.00	5	6,400.00					1	300.00	10	14,400.00
English	4	10,250.00					3	5,100.00	4	4,000.00			15	4,200.00			26	23,550.00
European History	3	6,750.00							1	1,100.00							4	7,850.00
Forestry	1	2,500.00					1	1,700.00	2	1,400.00							4	5,600.00
Geology	2	4,900.00					1	1,700.00	2	2,100.00			1	500.00			6	9,200.00
German	2	4,750.00					4	6,000.00	3	3,400.00	1	300.00	1	300.00			11	14,750.00
Greek	1	3,000.00															1	3,000.00
History and Philosophy of Education	1	3,000.00															1	3,000.00
Home Economics	2	3,300.00					1	1,800.00	2	2,500.00	6	4,716.25					11	12,316.25
Homeopathic Medicine	4	7,700.00							1	1,800.00							6	9,725.00
Homeopathic Hospital											2	225.00					2	450.00
Horticulture	3	6,750.00									2	683.75					5	2,062.50
Hospitals											2	1,200.00					2	2,400.00
Industrial Arts	1	2,420.00			1	1,870.00			3	4,015.00	5	4,265.00					10	12,570.00
Journalism	1	2,000.00							3	3,546.65					2	600.00	6	6,146.65
Amount forward	61	\$ 140,920.00	1	\$ 1,250.00	2	\$ 3,670.00	37	\$ 59,020.00	62	\$ 65,941.65	47	\$ 26,659.00	33	\$ 9,500.00	15	\$ 1,800.00	258	\$ 306,760.65



## DEPARTMENTAL SALARIES—INSTRUCTION—Continued

COLLEGE OR DEPARTMENT	Professors		Emeritus Professors		Associate Professors		Assistant Professors		Instructors		Assistants		Graduate Assistants		Student Assistants		Totals	
	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount	No.	Amount
Brought forward.....	61	\$ 140,920.00	1	\$ 1,250.00	2	\$ 3,670.00	37	\$ 59,020.00	62	\$ 65,941.65	47	\$ 26,659.00	33	\$ 9,500.00	15	\$ 1,800.00	258	\$ 308,760.65
Law.....	6	16,600.00					2	3,300.00									8	29,900.00
Latin.....	3	7,750.00							1	* 400.00							4	8,150.00
Manual Training.....							1	2,000.00									1	2,000.00
Mathematics.....	5	11,150.00			1	1,600.00	4	5,400.00			1	700.00	2	600.00			13	19,450.00
Mechanical Engineering.....	2	5,250.00			1	1,700.00			1	1,200.00	1	750.00			2	300.00	7	9,200.00
Mechanics.....	2	4,900.00													1	300.00	3	5,200.00
Metallurgy.....	2	3,400.00							1	* 625.00							3	4,025.00
Meteorology.....	1	500.00															1	500.00
Military Science and Tactics.....	1	450.00									1	1,500.00					2	1,950.00
Mine Engineering.....	1	2,000.00					1	1,800.00							3	† 750.00	5	4,550.00
Mineralogy.....							1	1,900.00									1	1,900.00
Pathology and Bacteriology.....	2	4,900.00							5	3,300.00	1	600.00					8	8,800.00
Pharmacy.....	2	4,200.00					1	1,700.00			2	700.00					5	6,600.00
Philosophy.....	2	4,550.00					1	1,500.00			1	500.00					4	6,550.00
Physical Education.....	1	2,750.00					1	1,700.00	2	2,700.00	2	1,500.00					6	8,650.00
Physics.....	4	10,200.00					2	4,200.00	1	1,200.00	1	600.00	3	900.00			11	17,100.00
Physiology.....	1	2,750.00			1	1,800.00		1,500.00	1	1,000.00	4	1,150.00					8	8,200.00
Physiology, Medicine.....							1	2,200.00			1	800.00			2	250.00	4	3,250.00
Political Science.....	2	4,500.00															2	4,500.00
Principles and Practice of Education.....	1	* 1,500.00			1	* 1,800.00											2	3,300.00
Psychology.....	1	3,000.00					1	2,000.00	4	* 4,800.00			2	600.00			8	10,400.00
Romance Languages.....	3	6,950.00					3	4,800.00	2	2,200.00			2	600.00			10	14,550.00
Rural Economics.....	1	5,000.00					2	3,400.00									3	8,400.00
School Administration.....	3	* 7,250.00					1	1,750.00									4	9,000.00
Surgery.....	1	1,500.00															1	1,500.00
Therapeutics.....							1	1,750.00	1	1,500.00					1	300.00	3	3,550.00
Veterinary Medicine.....	4	11,500.00					3	5,500.00	1	1,200.00	1	600.00					9	18,800.00
Zoology and Entomology.....	1	3,000.00			1	1,700.00	3	5,000.00	1	1,200.00	1	800.00	5	1,500.00			12	13,200.00
Totals.....	113	\$ 266,470.00	1	\$ 1,250.00	7	\$ 12,270.00	67	\$ 110,420.00	83	\$ 87,266.65	64	\$ 36,859.00	47	\$ 13,700.00	24	\$ 3,700.00	406	\$ 531,935.65
Summer School.....	39	\$ 14,817.50			2	\$ 525.00	12	\$ 3,300.00	11	\$ 1,770.00	8	\$ 1,055.00					72	\$ 21,467.50
Winter Course in Agriculture.....									7	2,200.00	1	100.00					8	2,300.00
Totals.....	39	\$ 14,817.50			2	\$ 525.00	12	\$ 3,300.00	18	\$ 3,970.00	9	\$ 1,155.00					80	\$ 23,767.50

1 Absent on leave, 1914-1915.

† One absent on leave, 1914-1915.

\* Part time.

\* 1 Part time.

3 Part time.

6 Part time.

‡ Counted in Chemistry College of Engineering.

## CASH RECEIPTS AND DISBURSEMENTS

## FOR ALL PURPOSES DURING THE YEAR

Cash Receipts from general sources .....	\$1,501,717 07	
Cash Receipts from securities .....	11,934 79	
Total Cash Receipts .....		\$1,513,651 86
Cash Disbursements ..	\$1,404,735 32	
Income from securities paid to the State Treasurer and ..		
added to principal .....	11,934 79	
Funds paid to State Treasurer and not available for O. S. U.	35,596 87	
Total Cash Disbursements .....		\$1,452,266 98
Excess of Receipts .....		61,384 88
Cash balance at beginning of year .....		39,491 56
Cash balance at the end of year .....		\$100,876 44

## CASH BALANCE

## AT END OF YEAR

Cash deposits at Banks:

*(Details as to cash for immediate use and investment).*

The State Treasurer for general purposes..... \$100,876 44

Cash at offices:

*(Details as to cash for immediate use and for investment).*

Cash balance as above ..... \$100,876 44



## BALANCE SHEET

Schedule E

SHOWING A COMPARISON OF ASSETS AND LIABILITIES AT THE END OF THE YEARS, JUNE 30, 1910, 1911, 1912, 1913, 1914, AND 1915

ASSETS	June 30, 1910	June 30, 1911	June 30, 1912	June 30, 1913	June 30, 1914	June 30, 1915
<b>CURRENT ASSETS</b>						
Cash in banks and on hand for current expenses	\$9,693 70	9,476 16	\$11,019 72	\$9,166 14	\$39,491 56	100,876 44
Accounts Receivable		450 00	453 00	453 00	454 00	454 00
Auditor of State, Special Appropriations	387,315 30	412,949 46	404,316 01	478,989 52	383,874 36	114,740 90
Store Room (supplies per inventory)	8,703 68	17,948 09	24,912 31	55,554 00	60,264 71	88,446 72
<b>Total Current Assets</b>	<b>\$405,712 68</b>	<b>\$440,823 71</b>	<b>\$440,701 04</b>	<b>\$544,162 06</b>	<b>\$484,084 63</b>	<b>\$304,518 06</b>
<b>INVESTMENT ASSETS AT END OF YEAR</b>						
Securities, State Treasurer (irreducible debt of state)	923,894 10	933,318 93	950,337 00	972,230 35	985,070 40	997,005 19
<b>Total Investment Assets</b>	<b>923,894 10</b>	<b>933,318 93</b>	<b>950,337 00</b>	<b>972,230 35</b>	<b>985,070 40</b>	<b>997,005 19</b>
<b>EDUCATIONAL PLANT, LANDS, BUILDINGS AND EQUIPMENT</b>						
Balance at beginning of year	3,798,884 84	4,060,708 22	4,250,791 06	4,490,019 04	4,708,609 05	5,071,365 01
Additions during year	261,823 38	190,082 84	239,227 98	213,262 46	362,755 96	559,117 64
<b>Total Educational Plant</b>	<b>4,060,708 22</b>	<b>4,250,791 06</b>	<b>4,490,019 04</b>	<b>4,703,281 50</b>	<b>5,071,365 01</b>	<b>5,630,482 65</b>
<b>Total Assets</b>	<b>5,390,315 00</b>	<b>\$5,624,933 70</b>	<b>5,881,057 08</b>	<b>6,219,674 51</b>	<b>6,540,520 04</b>	<b>6,932,005 90</b>
<b>LIABILITIES</b>						
<b>CURRENT LIABILITIES</b>						
Special State Appropriations	387,315 30	412,949 46	404,316 01	478,989 52	383,874 36	114,740 90
Other Current Liabilities						
<b>Total Current Liabilities</b>	<b>387,315 30</b>	<b>412,949 46</b>	<b>404,316 01</b>	<b>478,989 52</b>	<b>383,874 36</b>	<b>114,740 90</b>
<b>ENDOWMENT FUNDS AT END OF YEAR</b>						
<b>Endowment Capital Accounts:</b>						
Funds for General Purposes, Invested	858,690 23	867,687 62	883,785 91	903,370 99	914,710 01	926,161 35
Funds for designated Purposes, Invested	65,203 87	65,631 31	66,551 09	68,859 36	70,360 39	70,843 84
<b>Total Liabilities, Endowment Funds</b>	<b>923,894 10</b>	<b>933,318 93</b>	<b>950,337 00</b>	<b>972,230 35</b>	<b>985,070 40</b>	<b>997,005 19</b>
<b>EDUCATIONAL PLANT, DEBT AND CAPITAL ACCOUNT</b>						
Bonds or Mortgages against Plant	80,000 00	55,000 00	30,000 00			
Investment or Capital Account	3,999,105 60	4,223,665 31	4,496,404 07	4,768,454 64	5,171,575 28	5,820,259 81
<b>Total Educational Plant</b>	<b>4,079,105 60</b>	<b>4,278,665 31</b>	<b>4,526,404 07</b>	<b>4,768,454 64</b>	<b>5,171,575 28</b>	<b>5,820,259 81</b>
<b>Total Liabilities</b>	<b>\$5,390,315 00</b>	<b>5,624,933 70</b>	<b>5,881,057 08</b>	<b>6,219,674 51</b>	<b>6,540,520 04</b>	<b>6,932,005 90</b>

Schedule F

## ACCOUNTS RECEIVABLE

## MISCELLANEOUS:

(Details)

Columbus Water Works—Meter Deposits.....	\$	450 00
Columbus Police Department (Deposit).....		4 00
TOTAL Schedule D.....	\$	454 00

Schedule G

## SECURITIES, BONDS, STOCKS AND REAL ESTATE MORTGAGES

DESCRIPTION	Balance at Beginning of Year	Purchase or Other Additions, during Year	Total	Sales during Year	Balance at End of Year	Interest Received	Added to Invest- ments during Year
INVESTMENTS: Sec. 7951 G. C Irreducible debt of State .....	\$985,070 40	\$11,934 79	\$997,005 19	.....	\$997,005 19	\$59,458 07	\$333 00
Totals .....	985,070 40	11,934 79	\$997,005 19	.....	\$997,005 19	\$59,458 07	\$333 00
Total Schedule D .....					\$997,005 19		

Schedule H

## ADDITIONS TO LANDS, BUILDINGS AND EQUIPMENT

## ADDITION TO LANDS:

(Details, Schedule I.)

Sewers .....	\$	111 49
Cluster Lights .....		3,257 02
Railway to Grounds .....		449 96
Fire Protection .....		5,799 49
Grading, Planting, Roads, Walks, etc .....		13,486 11

## ADDITION TO BUILDINGS:

(Details, Schedule I.) ..... 150,016 98

## EQUIPMENT:

(Details, Schedule I.) ..... 137,558 80

Total during year.....\$ 310,679 85



## EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT

Schedule I

ACCOUNT	Balance at Beginning of Year Cost	Expended during Year Cost	Gifts and Additions during Year Value	Total	Sales and Other Dis- positions during Year Cost	Balance at End of Year Cost
UNIVERSITY SITE, CAMPUS, GROUNDS, ETC.						
331 11-100 acres, purchased 1871, cost	\$117,508 00					
12 14-100 acres, purchased 1879, cost	607 00					
93 59-100 acres, purchased 1906, cost	39,139 11					
14 acres, purchased 1911, cost	7,500 00					
132 4-100 acres, purchased 1914, cost	56,000 00					
582 88-100 acres, cost	\$220,754 11					
3 City Lots—Park St.—Gift 1915.....	10,800 00					
3 City Lots—State St.—Gift 1915.....	27,000 00					
	\$ 37,800 00					
Appraised Value(\$1,537,800 00).....	\$1,603,500 00		\$ 37,800 00	\$1,641,300 00		\$1,641,300 00
CLUSTER LIGHTS.....	1,612 02	3,257 02		4,869 04		4,869 04
FIRE PROTECTION.....	8,290 36	5,799 49		14,089 85		14,089 85
GRADING, PLANTING, ROADS, WALKS, ETC.....	56,753 83	13,486 11		70,239 94		70,239 94
SEWERS.....	17,681 00	111 49		17,792 49		17,792 49
RAILWAY.....	49,614 75	449 96		50,064 71		50,064 71
BUILDINGS						
Store Room and Receiving Department.....	11,195 38			11,195 38		11,195 38
Botany and Zoology.....	93,298 46	34,064 60		127,363 06		127,363 06
University Hall.....	139,625 00			139,625 00		139,625 00
Homeopathic Hospital <sup>1</sup> .....	5,000 00	1,387 00		6,387 00		6,387 00
Repair Shop.....	10,000 00			10,000 00		10,000 00
Botanical Building.....	15,000 00			15,000 00		15,000 00
New Shops Building.....		15 91		15 91		15 91
Horticulture and Forestry Building.....	89,221 73	61,484 33		150,706 06		150,706 06
Home Economics Building.....		405 42		405 42		405 42
Tool Shed.....	1,000 00			1,000 00		1,000 00
Hayes Hall.....	55,000 00			55,000 00		55,000 00
Residences(Five).....	27,000 00			27,000 00		27,000 00
Farm Buildings (Five).....	5,000 00			5,000 00		5,000 00

<sup>1</sup> Formerly Dormitory. Small (Boys).

# EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Continued

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ACCOUNT	Balance at Beginning of Year Cost	Expended during Year Cost	Gifts and Additions During Year Value	Total	Sales and Other Dis- positions during Year Cost	Balance at End of Year Cost
Orton Hall.....	\$ 100,000 00			\$ 100,000 00		\$ 100,000 00
Townshend Hall.....	110,000 00			110,000 00		110,000 00
Armory and Gymnasium.....	115,000 00			115,000 00		115,000 00
Biological Building.....	55,000 00			55,000 00		55,000 00
Emerson McMillan Observatory.....	16,000 00			16,000 00		16,000 00
Boiler House.....	47,937 17			47,937 17		47,937 17
Power House.....	24,290 02			24,290 02		24,290 02
Brown Hall.....	75,000 00			75,000 00		75,000 00
Page Hall (Law).....	100,000 00			100,000 00		100,000 00
Veterinary Laboratory.....	35,000 00			35,000 00		35,000 00
Physics Building.....	91,263 42	30,533 68		121,797 10		121,797 10
Chemistry Building.....	110,367 00			110,367 00		110,367 00
Lord Hall.....	85,023 52			85,023 52		85,023 52
Robinson Laboratory.....	75,000 00	333 00		75,333 00		75,333 00
Freight and Kiln Room.....	67 24	12,560 02		12,627 26		12,627 26
Horse Building.....	25,000 00			25,000 00		25,000 00
Cattle Building.....	35,000 00			35,000 00		35,000 00
Judging Pavilion.....	20,000 00			20,000 00		20,000 00
Oxley Hall (Girls Dormitory).....	66,490 85			66,490 85		66,490 85
Veterinary Clinic Building.....	88,230 06	1,045 00		89,275 06		89,275 06
Ohio Union <sup>1</sup> .....	78,243 50	455 45		78,698 95		78,698 95
Lake Laboratory.....	2,500 00			2,500 00		2,500 00
Library Building.....	297,325 23	7,732 57		305,057 80		305,057 80
Poultry Building.....	5,199 51			5,199 51		5,199 51
Storage Building.....	10,245 00			10,245 00		10,245 00
Park Street Building.....			\$ 80,088 00	80,088 00		80,088 00
State Street Dispensary.....			23,769 12	23,769 12		23,769 12
State Street Main Building.....			78,760 00	78,760 00		78,760 00
State Street Laundry and Stable.....			4,000 00	4,000 00		4,000 00
Total Buildings.....	\$2,119,523 09	\$ 150,016 98	\$ 186,617 12	\$2,456,157 19		\$2,456,157 19
Total Lands and Buildings.....	\$3,856,975 05	\$ 173,121 05	\$ 224,417 12	\$4,254,513 22		\$4,254,513 22

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<sup>1</sup> Formerly listed Students' Building.



# EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Continued

ACCOUNT	Balance at Beginning of Year Cost	Expended during Year Cost	Gifts and Additions during Year Cost	Total	Sales and Other Dis- positions during Year Cost	Balance at End of Year Cost
EQUIPMENT: DEPARTMENTS—						
Agricultural Chemistry .....	\$ 8,516 20	\$ 1,146 35	\$ 338 80	\$ 10,001 35		\$ 10,001 35
Agricultural Engineering .....		381 83	42 00	423 83		423 83
Agronomy .....	7,840 34	455 43	932 84	9,228 61		9,228 61
American History .....	561 33	369 60		930 93		930 93
Animal Husbandry .....	29,340 95	3,367 18		32,708 13	\$ 1,300 00	31,408 13
Architecture .....	7,504 56	373 15		7,877 71		7,877 71
Art .....	1,740 24	1,099 62		2,839 86	58 34	2,781 52
Astronomy .....	17,683 33	1,539 41	25 78	19,248 52		19,248 52
Bacteriology .....	6,500 16	148 87	24 20	6,673 23		6,673 23
Botany .....	13,185 99	3,803 19		16,989 18	182 23	16,806 95
Ceramic Engineering .....	13,647 17	206 71		13,853 88	160 67	13,693 21
Chemistry .....	12,930 70	1,647 12	150 05	14,727 87		14,727 87
Civil Engineering .....	16,447 23	766 12		17,213 35	7 01	17,206 34
Dairying .....	15,392 76	1,919 10		17,311 86		17,311 86
Dentistry .....		107 40	6,440 30	6,547 70		6,547 70
Economics and Sociology .....	837 41	461 77	10 00	1,309 18		1,309 18
Electrical Engineering .....	36,679 38	1,161 10		37,840 48	359 73	37,480 75
Engineering Drawing .....	7,288 11	285 91		7,574 02		7,574 02
English .....	57 25	99 40	433 69	590 34		590 34
European History .....	645 98	152 40		798 38		798 38
Forestry .....	1,485 74	3,003 17	102 49	4,591 40		4,591 40
Geology .....	26,275 18	667 40	158 80	27,101 38		27,101 38
German .....	509 01	62 00	17 10	588 11		588 11
Greek .....	512 83	144 62		657 45		657 45
History and Philosophy of Education .....	259 75	35 27		295 02	38 75	256 27
Home Economics .....	4,493 68	522 97		5,016 65		5,016 65
Horticulture .....	2,133 06	2,202 30		4,335 36	97 38	4,237 98
Homeopathic Medicine .....		2,047 08	1,129 62	3,176 70		3,176 70
Homeopathic Hospital .....		4,102 95		4,102 95		4,102 95

# EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Continued

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ACCOUNT	Balance at Beginning of Year Cost	Expended during Year Cost	Gifts and Additions during Year Cost	Total	Sales and Other Dis- positions during Year Cost	Balance at End of Year Cost
Industrial Arts.....	\$ 26,736 30	\$ 1,732 99	\$ 313 00	\$ 28,782 29		\$ 28,782 29
Journalism .....		7,794 87		7,794 87		7,794 87
Latin.....	543 73	64 57		608 30	\$ 13 50	594 80
Law.....	4,963 46	499 80		5,463 26	17 55	5,445 71
Manual Training.....	428 12	114 20		542 32	23 58	518 74
Mathematics.....	895 57	28 96		924 53		924 53
Mechanical Engineering.....	68,249 15	1,271 19		69,520 34	364 36	69,155 98
Mechanics.....	755 99	27 79	97	784 75		784 75
Medicine.....		2,455 91	21,215 11	23,671 02		23,671 02
Metallurgy.....	12,696 95	579 82		13,276 77		13,276 77
Military Science and Tactics.....	2,623 41	264 65		2,888 06	128 50	2,759 56
Mine Engineering.....	10,192 73	714 98		10,907 71		10,907 71
Mineralogy.....	335 35	281 38		616 73		616 73
Pharmacy.....	3,337 03	37 28		3,374 31		3,374 31
Philosophy.....	132 35	29 23		161 58		161 58
Physical Education.....	7,589 01	290 53		7,879 54		7,879 54
Physics.....	35,842 53	1,082 08		36,924 61		36,924 61
Physiology.....	7,731 55	137 88	30	7,869 73		7,869 73
Political Science.....	182 43			182 43		182 43
Poultry.....	1,273 15		58 35	1,331 50		1,331 50
Principles and Practice of Education.....	38 75	23 79		62 54		62 54
Psychology.....	2,145 82	668 79		2,814 61		2,814 61
Romance Languages.....	371 20	150 19		521 39		521 39
Rural Economics.....	11,827 49	4,012 00		15,839 49	4,621 13	11,218 36
School Administration.....	355 71	81 79		437 50		437 50
Veterinary Medicine.....	22,053 64	1,860 69		23,914 33		23,914 33
Zoology and Entomology.....	23,433 34	5,002 07		28,435 41		28,435 41
Library.....	350,045 01	18,545 78		368,590 79		368,590 79
Library—Brown Hall.....		477 05		477 05		477 05
Summer School.....	329 51	63 58		393 09		393 09
Archaeology.....	6,498 00			6,498 00		6,498 00
Agricultural Extension.....	7,263 66	1,214 18		8,477 84		8,477 84



EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT—Concluded

ACCOUNT	Balance at Beginning of Year Cost	Expended during Year Cost	Gifts and Additions during Year Cost	Total	Sales and Other Dis- positions during Year Cost	Balance at End of Year Cost
Dean of Women .....	1,026 04	131 36	.....	1,157 40	.....	1,157 40
University Architect .....	227 65	60 53	.....	288 18	.....	288 18
General Offices, Recitation Room and Laboratories.....	28,742 07	6,628 50	.....	35,370 57	.....	35,370 57
Stores and Receiving Department.....	1,066 19	4,437 15	.....	5,503 34	.....	5,503 34
Store Room .....	34,307 46	1,602 77	.....	35,910 23	.....	35,910 23
Light, Heat and Power Plant.....	292,316 20	38,911 69	.....	331,227 89	.....	331,227 89
Roads and Grounds.....	4,120 29	844 11	.....	4,964 40	.....	4,964 40
Dormitories—Oxley Hall.....	11,012 10	493 67	.....	11,505 77	.....	11,505 77
Laundry .....	.....	2,661 58	.....	2,661 58	.....	2,661 58
Small Dormitory (Men).....	232 68	.....	.....	232 68	.....	232 68
Total Equipment .....	\$1,214,389 96	\$ 137,558 80	\$ 31,393 40	\$1,383,342 16	\$ 7,372 73	\$1,375,969 43
Grand Total; Lands, Buildings and Equipment, Schedule D.	\$5,071,365 01	\$ 310,679 85	\$ 255,810 52	\$5,637,855 38	\$7,372 73	\$5,630,482 65

## ENDOWMENT FUNDS FOR GENERAL PURPOSES

Schedule J

NAME AND DESCRIPTION OF FUNDS	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended during Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
Original Endowment .....	\$524,176 50		\$31,450 59	\$555,627 09	\$31,450 59	\$524,176 50
Land Grant. Act of Congress July 2, 1862. Total amount derived from sale of 629,920 acres of land scrip, \$342,450.50 Accumulation added (state) \$181,725.70.						
Virginia Military Lands .....	173,102 17	\$11,451 34	10,729 23	195,282 74	10,729 23	184,553 51
Ceded to State by an Act of Congress Feb. 18, 1871. Act of General Assembly, March 26, 1872, accepted said grant and conveyed the lands to the Trustees of the Ohio Agricultural and Mechanical College for the benefit of that institution. Subsequent acts, April 3, 1873, and March 14, 1889.						
Henry Folsom Page .....	217,431 34		13,045 88	230,477 22	13,045 88	217,431 34
A bequest left by him Oct. 27, 1891, and ratified, by his wife and daughter, the entire estate to be disposed of and proceeds paid to State Treasurer in accordance with Sec. 7951, G. C., the disposition of income to be left entirely to the discretion of the Board of Trustees.						
Totals .....	\$914,710 01	\$11,451 34	\$55,225 70	\$981,387 05	55,225 70	\$926,161 35
Funds expended on teaching etc., and placed to credit of income by Auditor of State .....						
					\$55,225 70	
Total endowment fund for general purposes at end of year (irreducible debt of state) <i>Schedule D.</i>						
						\$926,161 35



## Schedule K

## ENDOWMENT FUNDS FOR DESIGNATED PURPOSES

NAME AND DESCRIPTION OF FUNDS	Total Principal and Additions Received to Beginning of Year	Received during Year		Total	Income Expended during Year	Total Principal and Additions at End of Year
		Gifts and Other Additions	Income (from State)			
William J. Bryan Prize Fund.....	\$ 604 64		\$ 36 82	\$ 641 46		\$ 641 46
This fund of \$250.00 was given by Mr. Bryan, July 20, 1898, and invested in accordance with Sec. 7951, G. C., the income to be used as a prize for the best essay on "The Principles Which Underlie Our Form of Government." In any year when no prize is awarded, the income shall be added to the principal.						
Stillman W. Robinson Fellowship Fund..	9,986 80		599 20	10,586 00	599 20	9,986 80
Established January 28, 1903, by a gift of \$5,000.00 from Prof. Robinson, and invested in accordance with Sec. 7951, G. C. An additional gift of \$1,850.00 was received July 20, 1909, and likewise invested, the income to be used in maintaining a Fellowship in the Engineering College.						
C. Newton Brown Scholarship Fund.	2,091 65		127 38	2,219 03		2,219 03
This fund was created May 18, 1903, by the payment of \$1000.00 received from former students of Prof. Brown and invested in accordance with Sec. 7951, G. C. An additional amount of \$92.09 was received December 1, 1904, and likewise invested. The income to be invested in accordance with Sec. 7972, G. C. until the principal is sufficient to maintain a scholarship in the department of Civil Engineering						
J. McLain Smith Scholarship Fund .....	25,450 12		1,527 00	26,977 12	1,527 00	25,450 12
A bequest left by him September 27, 1905, the entire estate to be sold and proceeds paid to State Treasurer in accordance with Sec. 7951, G. C. The income to be used by the Board of Trustees in assisting worthy young men and young women in attaining an education.						
Joseph H. Outhwaite Library Fund.....	2,000 00		120 00	2,120 00	120 00	2,000 00
September 28, 1908 a gift of \$2,000.00 was received from Mrs. Outhwaite in memory of the late Dean Outhwaite and invested in accordance with Sec. 7951, G. C. the income to be used for the purchase of books relating to the Civil War.						
Forward .....	\$40,133 21		\$2,410 40	\$42,543 61	\$2,246 20	\$40,297 41





## Schedule L

## STATE AID—SPECIAL APPROPRIATIONS

TITLE OR DESCRIPTION	Balance at beginning of Year	Appropriated during Year	Total	Requisitions during year	Cancelled	Balance at End of Year
H. B. 47:						
Personal Service .....	\$ 58,376 45		\$ 58,376 45	\$ 58,376 45		
Maintenance .....	267,046 50		267,046 50	262,227 72		\$ 4,818 78
College of Eng. Apparatus and Equipment	1,061 40		1,061 40	1,061 40		
College of Agriculture, Apparatus & Equipment	131 92		131 92	131 92		
College of Arts, Apparatus & Equipment	341 90		341 90	341 90		
College of Vet. Med., Apparatus & Equipment	1,409 64		1,409 64	1,409 64		
Horticulture and For. Bldg	704 75		704 75	704 75		
Winter Course in Engineering	44 83		44 83	44 83		
Extension Hot Water Heating System	1,731 64		1,731 64	1,731 64		
Milk Testing	473 17		473 17	473 17		
Agriculture Extension	1,956 17		1,956 17	1,956 17		
General Budget	3,200 46		3,200 46	3,200 46		
Summer Session	5,000 00		5,000 00	5,000 00		
Botany & Zoology Bldg.	31,739 40		31,739 40	31,739 40		
Equip. New Library Bldg	1,814 68		1,814 68	1,814 68		
Equip. University Farm	1 47		1 47	1 22	25	
Extension Tunnel to Botany Building	5,836 60		5,836 60	5,836 60		
Incinerators	378 82		378 82	364 65	14 17	
New Roof, Gymnasium Bldg	557 31		557 31	511 00	46 31	
Railway	818 42		818 42	449 94	368 48	
Remodel Orton Hall	55 23		55 23	96	54 27	
Remodel Page Hall	514 00		514 00	514 00		
Veterinary Clinic Bldg.						
Equipment	679 60		679 60	679 60		
Physic Bldg. Emerg. Bldg		\$15,000 00	15,000 00	15,000 00		
H. B. 314:						
Personal Service .....		339,192 25	339,192 25	322,861 93	1,533 71	14,796 61
Maintenance .....		184,222 15	184,222 15	86,004 00	10,393 16	87,824 99
H. B. 314 Agrl. Extension:						
Personal Service .....		25,175 43	25,175 43	16,011 70	8,903 73	260 00
Maintenance .....		10,415 00	10,415 00	5,279 81		5,135 19
H. B. 721:						
Sundry .....		2,000 00	2,000 00	94 67		1,905 33
Total .....	\$383,874 36	\$576,004 83	\$959,879 19	\$823,824 21	\$21,314 08	\$114,740 90

## OXLEY HALL

## RECEIPTS AND DISBURSEMENTS—SUPPLEMENTAL

## RECEIPTS—

Balance July 1, 1914.....		\$ 10,229 11
Rooms.....	\$ 4,318 50	
Board .....	12,171 35	
Guests.....	331 67	
Meals to Rooms.....	1 50	
Laundry .....	256 31	
Miscellaneous.....	552 29	
Total Receipts.....		17,631 62
Total receipts and balance .....		\$ 27,860 73

## DISBURSEMENTS—

Salary, Superintendent .....	\$ 1,000 00	
Salary, Secretary.....	715 00	
Employes and Extra Labor.....	4,016 10	
Stationery and Office Supplies.....	35 14	
Incidentals.....	263 92	
Food Supplies.....	9,433 48	
Material and General Supplies.....	1,161 67	
Freight and Cartage.....	20 15	
Repairs— Furniture and Fixtures.....	11 63	
Furnitures and Fixtures.....	493 67	
Water, Gas and Electricity (General accounts).....	589 98	
Total Expenditures.....		\$ 17,740 74
Balance June 30, 1915.....		\$ 10,119 99



## COMPARATIVE STATEMENT OF INCOME AND EXPENDITURES—For Six Years Ended June 30, 1915

Schedule N

INCOME	Year Ended June 30, 1910		Year Ended June 30, 1911		Year Ended June 30, 1912		Year Ended June 30, 1913		Year Ended June 30, 1914		Year Ended June 30, 1915		Total for Six Years Ended June 30, 1915	
Cash Balance at Beginning of Year .....		\$18,687.09		\$ 9,693.70		\$ 9,476.16		\$ 11,019.72		\$ 9,166.14		\$ 39,491.56		\$ 18,687.09
INCOME FROM														
STUDENTS:														
(Tuition, incident- al and laboratory fees—Sch. B-2).														
Arts .....	\$15,419.50		\$17,104.00		\$17,575.50		\$17,703.00		\$ 22,859.50		\$ 29,668.50		\$120,330.00	
Agriculture .....	10,269.50		17,774.45		25,081.50		29,633.00		33,385.50		29,368.00		145,511.95	
Agriculture— 3 year course .....											2,911.00		2,911.00	
Agriculture— Winter course .....											1,029.00		1,029.00	
Dentistry .....											18,452.50		18,452.50	
Education .....	1,111.00		1,429.00		2,294.50		2,978.50		4,180.00		8,856.50		20,849.50	
Engineering .....	20,719.50		22,950.25		21,436.00		21,159.00		24,093.00		25,328.50		135,686.25	
Homeopathic Medicine .....											5,687.50		5,687.50	
Law .....	10,247.50		9,418.00		10,322.50		10,762.00		10,251.00		11,716.50		62,717.50	
Medicine .....											34,341.00		34,341.00	
Pharmacy .....	1,873.50		2,423.00		2,686.50		2,466.00		2,525.00		2,736.00		14,710.00	
Veterinary Medicine .....	4,337.50		5,718.00		4,704.00		4,719.50		4,607.00		5,297.00		29,383.00	
Summer School .....	4,390.32		728.80		4,787.00		5,016.00		5,892.00		7,430.00		28,244.12	
Graduate .....					1,361.00		1,287.00		1,615.00		2,557.00		6,820.00	
Fees over paid and non-resident .....					208.00								208.00	
Total tuition, inci- dental and labora- tory fees .....		68,368.32		77,545.50		90,456.50		95,724.00		109,408.00		185,379.00		626,881.32
Special fees, degrees, etc, Schedule B-2 .....	2,406.00		2,491.75		3,044.00		3,097.00		3,691.00		4,297.00		19,026.75	
For supplies, chemi- cals, laboratory material, etc .....	17,245.93		19,397.47		23,755.15		24,741.95		27,950.30		29,876.24		142,967.04	
For Dormitories— Oxley Hall .....	16,869.05		14,456.75		17,599.83		18,506.79		16,825.79		17,631.62		101,889.83	
For locker rent .....	2,119.50	38,640.48	2,665.50	39,011.47	2,719.00	47,118.28	2,854.35	49,200.09	2,985.61	51,452.70	2,929.30	54,732.16	16,271.26	280,155.18
Total Income from Students .....		\$107,008.80		\$116,556.97		\$137,574.78		\$144,924.09		\$160,860.70		\$240,111.16		\$907,036.50
INCOME FROM GRANTS BY NATION, STATE & SPECIAL TAXATION:														
State Aid .....	692,739.28		684,160.96		653,329.66		775,976.52		969,651.71		1,058,427.69		4,834,285.82	
Federal Aid .....	78,495.31		84,168.21		90,011.11		90,855.08		91,538.21		102,179.82		537,247.74	
		771,234.59		768,329.17		743,340.77		866,831.60		1,061,189.92		1,160,607.51		5,471,533.56

COMPARATIVE STATEMENT OF INCOME AND EXPENDITURES—For Six Years Ended June 30, 1915—Continued

INCOME	Year Ended June 30, 1910	Year Ended June 30, 1911	Year Ended June 30, 1912	Year Ended June 30, 1913	Year Ended June 30, 1914	Year Ended June 30, 1915	Total for Six Years Ended June 30, 1915
GIFTS FOR CURRENT EXPENSES—Sch. B-1 .....	650.00 .....	3,672.83 .....	200.00 .....	1,479.40 .....	205.50 .....	9,150.00 .....	15,357.73 .....
INCOME FROM OTHER SOURCES—Sch. B-1 .....	32,344.45 .....	32,418.93 .....	33,432.64 .....	41,510.52 .....	44,711.83 .....	71,407.18 .....	255,825.55 .....
TEMPORARY ACC'TS .....	984.33 .....	3,633.21 .....	5,934.02 .....	8,563.63 .....	33,585.86 .....	20,441.22 .....	73,142.27 .....
Total Income .....	912,222.17 .....	924,611.11 .....	1,020,482.21 .....	1,063,309.24 .....	1,300,553.81 .....	1,501,717.07 .....	6,722,895.61 .....
Total Income and Cash Balance .....	\$930,909.26 .....	\$934,304.81 .....	1,029,958.37 .....	1,074,328.96 .....	1,309,719.95 .....	1,541,208.63 .....	6,741,582.70 .....
EXPENDITURES							
EXPENSE—Depts. (including Salaries) .....	382,477.40 .....	419,958.70 .....	444,169.15 .....	480,582.49 .....	506,585.04 .....	672,904.88 .....	2,906,677.66 .....
Summer Schools .....	14,022.55 .....	15,950.04 .....	17,745.99 .....	14,280.22 .....	18,036.34 .....	22,543.91 .....	102,579.05 .....
Winter Course .....							
Lectures .....	654.26 .....	644.03 .....	641.68 .....	849.65 .....	3,274.86 .....	2,449.15 .....	8,513.63 .....
Extension Work .....			145.40 .....	250.00 .....			395.40 .....
Library .....	14,260.59 .....	16,135.09 .....	18,422.63 .....	25,435.00 .....	21,158.13 .....	24,534.92 .....	119,946.36 .....
Special Funds .....	25,040.47 .....	53,967.80 .....	46,691.04 .....	53,024.03 .....	45,486.96 .....	49,215.23 .....	273,425.53 .....
Administration and General Accounts .....	82,961.23 .....	79,760.98 .....	87,163.02 .....	102,972.81 .....	115,093.69 .....	130,419.73 .....	598,371.46 .....
Operation & Main- tenance of Plant .....	86,496.48 .....	121,146.96 .....	97,913.77 .....	108,577.37 .....	114,884.54 .....	134,093.88 .....	663,113.00 .....
Dormitories and Dining Halls .....	15,355.24 .....	12,101.12 .....	14,056.73 .....	13,766.11 .....	13,706.15 .....	16,657.09 .....	85,642.44 .....
Miscellaneous .....	7,977.13 .....	7,911.34 .....	9,688.35 .....	10,929.39 .....	15,667.12 .....	17,687.46 .....	69,860.79 .....
Int. on Bonded Debt .....	4,162.50 .....	3,037.50 .....	1,912.50 .....	675.00 .....			9,787.50 .....
Total Expenses .....	633,407.85 .....	730,613.56 .....	738,550.26 .....	811,342.07 .....	853,892.83 .....	1,070,506.25 .....	4,838,312.82 .....
EQUIPMENT— (Assets)—Dept's .....	48,800.75 .....	39,544.24 .....	27,055.08 .....	23,755.23 .....	29,565.23 .....	61,742.40 .....	230,462.93 .....
Summer School .....	23.30 .....	35.22 .....	9.90 .....	35.00 .....	9.50 .....	63.58 .....	176.50 .....
Library .....	21,859.10 .....	19,655.23 .....	25,858.65 .....	25,504.51 .....	18,643.34 .....	18,290.23 .....	129,811.06 .....
Special Funds .....	1,415.09 .....	3,103.20 .....	484.05 .....	1,332.00 .....	333.83 .....	1,274.71 .....	7,942.88 .....
Administration and General Accounts .....	6,208.29 .....	3,390.37 .....	3,179.66 .....	4,647.00 .....	9,666.79 .....	12,309.11 .....	39,401.22 .....
Equipment of Plant .....	27,209.05 .....	21,690.88 .....	17,303.80 .....	23,525.97 .....	44,718.38 .....	43,385.10 .....	177,833.18 .....
Dormitories and Dining Halls .....	1,323.91 .....	423.03 .....	284.59 .....	420.44 .....	534.48 .....	493.67 .....	3,480.12 .....
Total Equipment .....	106,839.49 .....	87,842.17 .....	74,175.73 .....	79,220.15 .....	103,471.55 .....	137,558.80 .....	589,107.89 .....



COMPARATIVE STATEMENT OF INCOME AND EXPENDITURES—For Six Years Ended June 30, 1915—Concluded

INCOME	Year Ended June 30, 1910	Year Ended June 30, 1911	Year Ended June 30, 1912	Year Ended June 30, 1913	Year Ended June 30, 1914	Year Ended June 30, 1915	Total for Six Years Ended June 30 1915
NEW LANDS .....			7,500.00		56,000.00		63,500.00
NEW BUILDINGS .....	110,932.10	60,493.75	166,496.03	123,879.17	190,703.96	116,262.85	768,767.86
ADDITIONS TO BLDGS. ....					11,981.94	33,754.13	45,736.07
CLUSTER LIGHTS .....					807.95	3,257.02	4,064.97
FIRE PROTECTION .....					3,766.88	5,799.49	9,566.37
RAILWAY .....	31,558.79	6,105.96	1,265.26	7,172.15	3,512.59	449.96	50,064.71
SEWERS .....	12,493.00					111.49	12,604.49
GRADING, PLANTING, ROADS, WALKS .....	984.33	11,140.00	14.35	4,985.65	8,753.83	13,486.11	39,364.27
BONDS—Redeemed .....	25,000.00	25,000.00	25,000.00	30,000.00			105,000.00
TEMPORARY ACCT'S, REFUNDS AND REIMBURSEMENTS—State Treasurer .....		3,633.21	5,934.02	8,563.63	33,585.86	23,549.22	75,265.94
FUNDS PAID TO STATE TREASURER AND NOT AVAILABLE FOR O.S.U. ....						35,596.87	35,596.87
DEPOSITS .....			3.00		1.00		4.00
GRACE ACKLAND JANSEN .....					3,750.00		3,750.00
Total Expenditures .....	921,215.56	924,828.65	1,018,938.65	1,065,162.82	1,270,228.39	1,440,332.19	6,640,706.26
Cash Bal. at June 30th .....	9,693.70	9,476.16	11,019.72	9,166.14	39,491.56	100,876.44	100,876.44
Total Expenditures and Cash Balance .....	\$930,909.26	\$934,304.81	\$1,029,958.37	\$1,074,328.96	\$1,309,719.95	\$1,541,208.63	\$6,741,582.70

## GIFTS FOR GENERAL AND DESIGNATED PURPOSES

Schedule O

NAME AND DESCRIPTION	Amount
American Institute of Homeopathy .....	\$ 400 00
A gift for the purchase of microscopes for the Homeopathic Hospital.	
Homeopathic Medical Society of Ohio.....	5,000 00
A gift for salaries and current expense in the college of Homeopathic Medicine .....	
J. Edgar Butler, Trustee, The Columbus Homeopathic Hospital Association .....	1,000 00
A gift for the purchase of equipment for the college of Homeopathic Medicine .....	
T. A. McCann, M. D .....	500 00
A gift for Homeopathic Research.	
The Ohio Optical Association .....	2,000 00
A gift for current expenses of optometry course .....	
Col. J. G. Battelle .....	100 00
A gift for prizes for solution of military problems.	
Kenyon College .....	\$25 00
Oberlin College .....	50 00
Lake Erie College .....	25 00
The Ohio Wesleyan University.....	25 00
Municipal University of Akron.....	25 00
Contribution from the above sources to the Ohio Biological Survey .....	150 00
Total .....	\$ 9,150 00

## RETURN OF LOANS—STUDENTS AID FUNDS

Schedule P

NAME AND DESCRIPTION	Amount
Robt. P. Scott, Student Aid Fund:	
Merlin L. Cox, return of loan .....	\$ 100 00
Harry L. Foust, return of loan .....	50 00
Total .....	\$ 150 00



## APPENDIX I.

## BOARD OF TRUSTEES 1914-1915

	Date Original Appointment	Term Expires
JULIUS F. STONE, Columbus .....	May 13, 1909	May 13, 1916
GUY W. MALLON, Cincinnati .....	May 11, 1903	May 13, 1917
O. E. BRADFUTE, Cedarville .....	Aug. 21, 1905	May 13, 1918
FRANK E. POMERENE, Coshocton .....	May 15, 1905	May 13, 1919
BENJ. F. McCANN, Dayton .....	May 13, 1913	May 13, 1920
JOHN F. CUNNINGHAM, Cleveland .....	Dec. 22, 1914	May 13, 1921
JOHN KAISER, Marietta .....	Feb. 25, 1915	May 13, 1922

## OFFICERS OF THE BOARD

JULIUS F. STONE .....	Chairman and Treasurer
BENJ. F. McCANN .....	Vice-Chairman
CARL E. STEEB .....	Business Manager and Secretary

## COMMITTEES OF THE BOARD

*Executive Committee*

JULIUS F. STONE	F. E. POMERENE	GUY W. MALLON
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*Farm Committee*

O. E. BRADFUTE	*JOHN T. MACK	BENJ. F. McCANN
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*Auditing Committee*

*JOHN T. MACK	GUY W. MALLON	O. E. BRADFUTE
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*Faculty Committee*

GUY W. MALLON	F. E. POMERENE	BENJ. F. McCANN
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*Building Committee*

JULIUS F. STONE	GUY W. MALLON	BENJ. F. McCANN
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*Roads and Grounds Committee*

F. E. POMERENE	O. E. BRADFUTE	JULIUS F. STONE
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\*Died July 8, 1914.

## APPENDIX II

## ADMINISTRATIVE OFFICERS

## THE UNIVERSITY

WILLIAM OXLEY THOMPSON, D. D., LL. D. ....	<i>President</i>
Office, University Hall	
CARL E. STEEB, B. Ph. ....	<i>Business Manager and Secretary of Board of Trustees</i>
Office, University Hall	
EDITH D. COCKINS, B. A., Registrar, Secretary of the University Faculty and University Editor	
Office, University Hall	
LESTER E. WOLFE, A. M. ....	<i>Secretary of the Entrance Board</i>
Office, University Hall	
R. M. ROYER .....	<i>Purchasing Agent</i>
Office, University Hall	
KATHARINE H. DUNCAN .....	<i>Executive Clerk</i>
Office, University Hall	
BESS C. WATERS .....	<i>Cashier</i>
Office, University Hall	
CAROLINE M. BREYFOGLE, B. A., Ph. D. ....	<i>Dean of Women</i>
Office, Orton Hall	
JOHN A. BOWNOCKER, D. Sc. ....	<i>Curator of Geological Museum</i>
Office, Orton Hall	
WILLIAM C. MCCracken . . .	<i>Superintendent of Buildings and Grounds and Chief Engineer</i>
Office, Power House	



## APPENDIX III

Which shows the number of professors, officers, teachers, and other employees, and the position and compensation of each, as required by Section 7947 of an Act passed May 27, 1915:

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
William Oxley Thompson...	President .....	\$7,000 00
Alfred Vivian .....	Professor of Agricultural Chemistry .....	3,000 00
John F. Lyman .....	Professor of Agricultural Chemistry .....	2,000 00
Thomas G. Phillips .....	Instructor in Agricultural Chemistry .....	1,200 00
Frederick J. Salter .....	Instructor in Agricultural Chemistry .....	1,000 00
John L. Hutchison .....	Instructor in Agricultural Chemistry .....	1,000 00
George McClure .....	Assistant in Agricultural Chemistry .....	600 00
H. C. Ramsower .....	Professor of Agricultural Engineering .....	2,000 00
F. W. Ives .....	Instructor in Agricultural Engineering .....	1,600 00
John T. Miller .....	Mechanic—Agricultural Engineering .....	800 00
A. G. McCall .....	Professor of Agronomy .....	2,000 00
George Livingston .....	Assistant Professor of Agronomy .....	1,200 00
Joseph P. Hershberger .....	Assistant in Agronomy .....	725 00
M. F. Abel .....	Assistant in Agronomy .....	700 00
Forest Stemple .....	Instructor in Agronomy .....	1,000 00
F. C. Kaden .....	Assistant in Agronomy (part time) .....	125 00
A. E. Waller .....	Assistant in Agronomy .....	600 00
Lloyd E. Thatcher .....	Assistant in Agronomy (part time) .....	320 00
C. S. Plumb .....	Professor of Animal Husbandry .....	3,000 00
Freeman S. Jacoby .....	Asst. Professor of Poultry Husbandry .....	1,800 00
D. J. Kays .....	Professor of Animal Husbandry .....	2,000 00
Gilbert Gusler .....	Asst. Professor of Animal Husbandry .....	1,800 00
J. S. Coffey .....	Asst. Professor of Animal Husbandry .....	1,800 00
Tom Stone .....	Instructor in Animal Husbandry .....	1,000 00
D. M. Fyffe .....	Superintendent of Live Stock .....	1,400 00
J. H. Schaffner .....	Professor of Botany .....	2,500 00
R. F. Griggs .....	Assistant Professor of Botany .....	\$1,800 00
A. Dachnowski .....	Assistant Professor of Botany .....	1,200 00
Freda Detmers .....	Assistant Professor of Botany .....	1,500 00
W. G. Stover .....	Assistant Professor of Botany .....	1,500 00
Herbert W. Markward .....	Instructor in Botany (part time) .....	240 00
Rose Gormley .....	Instructor in Botany (part time) .....	840 00
William C. McQuiston .....	Graduate Assistant in Botany .....	300 00
Mary B. Linnell .....	Student Assistant in Botany .....	150 00
Gustave A. Meckstroth .....	Student Assistant in Botany .....	150 00
F. B. H. Brown .....	Florist .....	720 00
Oscar Erf .....	Professor of Dairying .....	3,000 00
O. C. Cunningham .....	Assistant Professor of Dairying .....	1,900 00
W. L. Clevenger .....	Assistant Professor of Dairying .....	1,600 00
Robert B. Stoltz .....	Assistant Professor of Dairying .....	1,500 00
W. R. Lazenby .....	Professor of Forestry .....	2,500 00
Otto W. Pflueger .....	Instructor in Forestry .....	1,100 00
Norman W. Scherer .....	Assistant Professor of Forestry .....	1,70 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. L. Dubois.....	Temporary Instructor in Forestry (part time) .....	\$ 300 00
Edna N. White.....	Professors of Home Economics .....	2,100 00
Anna R. Van Meter .....	Asst. Professor of Home Economics.....	1,800 00
Maude C. Hathaway.....	Instructor in Home Economics .....	1,200 00
Mina C. Denton.....	Professor of Home Economics (part time)	1,200 00
Marian L. Tucker.....	Instructor in Home Economics.....	1,200 00
Grace G. Walker .....	Assistant in Home Economics.....	900 00
Lila Skinner .....	Assistant in Home Economics.....	800 00
Josephine Richardson.....	Assistant in Home Economics (part time)	375 00
Lelia McGuire .....	Assistant in Home Economics.....	750 00
Marian Lucas Garvin.....	Temporary Assistant in Home Economics (part time) .....	1,411 25
Agnes Brady .....	Assistant in Home Economics (part time)	480 00
Cora Elliott.....	Maid—Department of Home Economics..	480 00
W. Paddock .....	Professor of Horticulture .....	2,750 00
V. H. Davis .....	Professor of Horticulture.....	2,000 00
L. M. Montgomery .....	Professor of Horticulture.....	2,000 00
N. R. Elliott.....	Assistant in Horticulture .....	600 00
C. R. Runyan .....	Assistant in Horticulture .....	600 00
J. Warren Smith .....	Professor of Meteorology .....	500 00
H. C. Price.....	Professor of Rural Economics and Dean of College of Agriculture .....	5,000 00
Thomas D. Phillips .....	Assistant Professor of Rural Economics and Superintendent of University Farm	1,600 00
John I. Falconer.....	Assistant Professor of Rural Economics...	1,800 00
A. E. Smith .....	Farm Foreman.....	1,200 00
V. C. Smith .....	Assistant to Dean of College of Agriculture	1,600 00
Herbert Osborn .....	Professor of Zoology and Entomology ....	2,750 00
J. S. Hine.....	Associate Professor of Zoology and Entomology.....	1,700 00
W. M. Barrows.....	Asst. Professor of Zoology and Entomology	1,800 00
C. L. Metcalf.....	Asst. Professor of Zoology and Entomology	1,700 00
Frederick H. Krecker.....	Asst. Professor of Zoology and Entomology	1,500 00
W. J. Kostir.....	Instructor in Zoology and Entomology....	1,200 00
C. J. Drake.....	Assistant in Zoology and Entomology . . .	800 00
F. H. Lathrop.....	Graduate Assistant in Zoology and Entomology.....	300 00
Vernon Haber.....	Graduate Assistant in Zoology and Entomology.....	300 00
Mary H. Oliver.....	Graduate Assistant in Zoology and Entomology.....	300 00
D. W. DeLong .....	Graduate Assistant in Zoology and Entomology.....	300 00
D. B. Whelan.....	Graduate Assistant in Zoology and Entomology .....	300 00
C. M. Emerson.....	Instructor in Agricultural Engineering (Winter Course) .....	400 00
O. H. Pollock.....	Instructor in Animal Husbandry (Winter Course) .....	300 00
J. Virgil Lowe.....	Laboratory Assistant in Animal Husbandry (Winter Course) .....	100 00
Wallace E. Hanger .....	Instructor in Farm Crops (Winter Course)	300 00
Fred Herber .....	Instructor in Butter Making (Winter Course) .....	200 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Fred Nobs .....	Instructor in Cheese Making (Winter Course) .....	\$ 100 00
Glenn Norton .....	Instructor in Milk Testing (Winter Course) .....	200 00
R. C. Kaiser .....	Instructor in Plumbing and Soldering (Winter Course) .....	50 00
Homer C. Hockett .....	Professor of American History .....	2,000 00
A. M. Schlesinger .....	Asst. Professor of American History .....	1,500 00
D. H. Bacot, Jr. ....	Instructor in American History .....	1,200 00
Eugene H. Roseboom .....	Graduate Assistant in American History .....	300 00
A. M. Bleile .....	Professor of Physiology .....	2,750 00
R. J. Seymour .....	Assoc. Professor of Physiology .....	1,800 00
E. P. Durrant .....	Asst. Professor of Physiology .....	1,500 00
Halstead R. Wright .....	Instructor in Physiology .....	1,000 00
Adolph Feiel .....	Assistant in Physiology .....	400 00
H. E. Boucher .....	Assistant in Physiology .....	250 00
R. A. Knouf .....	Assistant in Physiology .....	250 00
R. L. Mundhenk .....	Assistant in Physiology .....	250 00
C. B. Morrey .....	Professor of Bacteriology .....	2,750 00
William A. Starin .....	Asst. Professor of Bacteriology .....	1,500 00
Anton A. Schlichte .....	Instructor in Bacteriology .....	1,200 00
Henry B. Froning .....	Instructor in Bacteriology .....	1,000 00
Vera McCoy .....	Assistant in Bacteriology .....	350 00
Charles J. Hufnagel .....	Graduate Assistant in Bacteriology .....	300 00
Lee M. Roderick .....	Student Assistant in Bacteriology (part time) .....	225 00
Samuel J. Schilling .....	Student Assistant in Bacteriology (part time) .....	75 00
James E. Hagerty .....	Professor of Economics and Sociology .....	2,750 00
F. A. McKenzie .....	Professor of Economics and Sociology .....	1,800 00
O. C. Lockhart .....	Professor of Economics and Sociology .....	1,800 00
C. C. Huntington .....	Professor of Economics and Sociology .....	2,000 00
Henry F. Walradt .....	Asst. Professor of Economics and Sociology .....	1,500 00
Carl E. Parry .....	Asst. Professor of Economics and Sociology .....	1,700 00
Clyde O. Ruggles .....	Professor of Economics and Sociology .....	2,200 00
Emilie C. Renz .....	Instructor in Economics and Sociology .....	1,200 00
H. B. Drury .....	Instructor in Economics and Sociology .....	1,200 00
Victor W. Bruder .....	Instructor in Economics and Sociology .....	1,200 00
Merlin H. Hunter .....	Instructor in Economics and Sociology .....	1,200 00
Walter C. Weidler .....	Assistant in Economics and Sociology .....	700 00
Gould L. Harris .....	Assistant in Economics and Sociology .....	500 00
O. F. Wilkinson .....	Assistant in Economics and Sociology .....	700 00
Mary Louise Mark .....	Assistant in Economics and Sociology .....	700 00
Harriet M. Griffiths .....	Library Attendant .....	300 00
J. V. Denney .....	Professor of English and Dean of College of Arts, Philosophy and Science .....	3,250 00
J. R. Taylor .....	Professor of English .....	2,500 00
G. H. McKnight .....	Professor of English .....	2,500 00
W. L. Graves .....	Professor of English .....	2,000 00
L. A. Cooper .....	Asst. Professor of English .....	1,700 00
E. L. Beck .....	Asst. Professor of English .....	1,700 00
V. A. Ketcham .....	Asst. Professor of English .....	1,700 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
J. Forest Craig.....	Instructor in English.....	\$ 1,000 00
John C. Cone.....	Instructor in English.....	1,000 00
Mary C. Wakefield.....	Instructor in English.....	1,000 00
Verona M. Dollinger.....	Graduate Assistant in English.....	300 00
Gertrude L. Robinson.....	Graduate Assistant in English.....	300 00
Beulah Wardell.....	Graduate Assistant in English.....	300 00
Helen Morningstar.....	Graduate Assistant in English.....	300 00
Miles Hanley.....	Graduate Assistant in English.....	300 00
Mary B. Housel.....	Graduate Assistant in English.....	300 00
Majorie L. McCutcheon.....	Graduate Assistant in English.....	300 00
Alice M. Crone.....	Graduate Assistant in English (part time)	120 00
Mary Lower.....	Graduate Assistant in English.....	300 00
Elsa Tway.....	Graduate Assistant in English.....	300 00
Mary C. Evens.....	Graduate Assistant in English.....	300 00
Charles G. Dishong.....	Instructor in English.....	1,000 00
Mabel A. Galbreath.....	Graduate Assistant in English.....	300 00
Edith L. Laver.....	Graduate Assistant in English.....	300 00
Wahnita DeLong.....	Graduate Assistant in English (part time)	30 00
Mary E. Wadlington.....	Graduate Assistant in English (part time)	270 00
W. H. Siebert.....	Professor of European History.....	2,750 00
E. H. McNeal.....	Professor of European History.....	2,000 00
Clarence Perkins.....	Professor of European History.....	2,000 00
Wilmer C. Harris.....	Instructor in European History.....	1,100 00
C. S. Prosser.....	Professor of Geology.....	\$2,750 00
J. A. Bownocker.....	Professor of Inorganic Geology and Curator of Museum.....	2,150 00
Thomas McD. Hills.....	Asst. Professor of Geology.....	1,700 00
Clara G. Mark.....	Instructor in Geology.....	1,000 00
Walter A. Verwiebe.....	Instructor in Geology.....	1,100 00
Kenneth Cottingham.....	Graduate Assistant and Temporary Instructor in Geology.....	500 00
M. B. Evans.....	Professor of German.....	2,750 00
B. A. Eisenlohr.....	Professor of German.....	2,000 00
May Thomas.....	Assistant Professor of German.....	1,500 00
Sarah Barrows.....	Assistant Professor of German.....	1,200 00
Ludwig Lewisohn.....	Assistant Professor of German.....	1,800 00
Robert O. Busey.....	Assistant Professor of German.....	1,500 00
H. C. Keidel.....	Instructor in German.....	1,400 00
Theodore F. Kotz.....	Instructor in German.....	1,000 00
H. W. Nordmeyer.....	Instructor in German.....	1,000 00
H. H. Baumgardner.....	Graduate Assistant in German.....	200 00
Ernest Rey.....	Assistant in German.....	300 00
George M. Bolling.....	Professor of Greek.....	3,000 00
Joseph S. Meyers.....	Professor of Journalism.....	2,000 00
Paul C. Carty.....	Instructor in Journalism-Mechanics (part time).....	1,416 66
M. H. Hallett.....	Instructor in Journalism-Mechanics (part time).....	1,213 33
Albert P. Taylor.....	Instructor in Journalism-Mechanics (part time).....	916 66
Melvin Ryder.....	Student Assistant in Journalism.....	300 00
Ford G. Owens.....	Student Assistant in Journalism.....	300 00
S. C. Derby.....	Professor of Latin.....	2,750 00
A. W. Hodgman.....	Professor of Latin.....	2,500 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. S. Elden.....	Professor of Latin.....	\$ 2,500 00
R. W. Schmitt.....	Instructor in Latin.....	400 00
J. A. Leighton.....	Professor of Philosophy.....	2,750 00
A. E. Davies.....	Professor of Philosophy.....	1,800 00
Albert R. Chandler.....	Asst. Professor of Philosophy.....	1,500 00
W. E. Bingham.....	Assistant in Philosophy.....	500 00
Henry R. Spencer.....	Professor of Political Science.....	2,500 00
Francis W. Coker.....	Professor of Political Science.....	2,000 00
B. L. Bowen.....	Professor of Romance Languages.....	2,750 00
C. A. Bruce.....	Professor of Romance Languages.....	2,200 00
E. S. Ingraham.....	Professor of Romance Languages.....	2,000 00
T. E. Hamilton.....	Asst. Professor of Romance Languages.....	1,500 00
G. S. Chapin.....	Asst. Professor of Romance Languages.....	1,500 00
J. K. Ditchy.....	Instructor in Romance Languages.....	1,000 00
Alexander P. Moore.....	Instructor in Romance Languages.....	1,200 00
W. T. Peirce.....	Asst. Professor of Romance Languages.....	1,800 00
G. V. Medici.....	Graduate Assistant in Romance Languages.....	300 00
Coral D. Nathan.....	Graduate Assistant in Romance Languages.....	300 00
H. M. Semans.....	Professor of Operative Dentistry and Dental Anatomy and Acting Dean of College of Dentistry.....	1,800 00
Harvey V. Cottrell.....	Professor of Prosthetic Dentistry.....	800 00
Alden J. Bush.....	Professor of Crown and Bridge Work, Metallurgy and Orthodontia.....	800 00
Perry B. Clark.....	Instructor in Clinical Dentistry (paid by hour).....	180 00
William C. Graham.....	Instructor in Dental Medicine and Oral Hygiene.....	500 00
John W. Means.....	Instructor in Oral Surgery (paid by hour).....	90 00
Roland B. Wiltberger.....	Assistant in Prosthetic Dentistry and In- structor in Special Work.....	400 00
Herbert S. Shumway.....	Instructor in Prosthetic Laboratory.....	480 00
Clyde S. Hebble.....	Superintendent of Operative Clinic and Instuctor in Operative Technic.....	1,000 00
Charles W. Strosnider.....	Instructor in Operative Clinic and Assis- tant in Dental Anatomy.....	900 00
Ollie O. Mobberly.....	Instructor in Prosthetic Clinic.....	1,500 00
Dick P. Snyder.....	Instructor in Operative Clinic.....	600 00
Edward W. Martindale.....	Instructor in Anaesthetics and Analgesia.....	200 00
George W. Tressel.....	Student Assistant in Bacteriology and Pathology.....	50 00
Charles F. Kelley.....	Assistant Professor of Art.....	2,300 00
Alice Robinson.....	Instructor in Art.....	1,350 00
Mary Louise Shepherd.....	Instructor in Art.....	1,200 00
Lewis F. Anderson.....	Professor of History of Education.....	3,000 00
Eldon L. Usry.....	Asst. Professor of Manual Training.....	2,000 00
T. S. Lowden.....	Associate Professor of Principles and Practice of Education.....	1,800 00
George R. Twiss.....	Professor of Principles and Practice of Education (part time).....	1,500 00
George F. Arps.....	Professor of Psychology.....	3,000 00
A. P. Weiss.....	Instructor in Psychology.....	1,400 00
Rudolph Pinter.....	Assistant Professor of Psychology.....	2,000 00
John E. Evans.....	Instructor in Psychology.....	1,400 00
Marvin J. Van Wagenen.....	Instructor in Psychology.....	1,200 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Harry W. Crane.....	Instructor in Psychology (part time) .....	\$ 800 00
A. P. Dunmar .....	Graduate Assistant in Psychology .....	300 00
Donald G. Paterson.....	Graduate Assistant in Psychology .....	300 00
George W. Knight.....	Professor of American History and Dean of the College of Education .....	3,250 00
Samuel W. Brown .....	Professor of School Administration .....	2,500 00
G. A. Bricker .....	Asst. Professor of Agricultural Education .....	1,750 00
F. B. Pearson .....	Professor of School Administration (part time) .....	1,500 00
*J. N. Bradford .....	Professor of Architecture .....	1,200 00
C. St. J. Chubb.....	Professor of Architecture .....	2,100 00
F. H. Haskett.....	Instructor in Architecture .....	1,500 00
W. C. Ronan.....	Instructor in Architecture .....	1,400 00
H. C. Lord.....	Professor of Astronomy .....	2,750 00
E. S. Manson, Jr. ....	Associate Professor of Astronomy .....	1,800 00
Edw. Orton, Jr. ....	Professor of Ceramic Engineering and Dean of the College of Engineering.....	3,250 00
Arthur S. Watts.....	Professor of Ceramic Engineering .....	3,000 00
Carl B. Harrop.....	Assistant Professor of Ceramic Engineering .....	1,500 00
J. C. Lysatt.....	Technician .....	600 00
S. A. Norton.....	Emeritus Professor of Chemistry.....	1,250 00
Wm. McPherson .....	Professor of Chemistry and Dean of the Graduate School .....	3,250 00
W. E. Henderson.....	Professor of Inorganic and Physical Chemistry .....	2,500 00
C. W. Foulk .....	Professor of Analytical Chemistry .....	2,250 00
W. L. Evans .....	Professor of Chemistry .....	2,500 00
J. R. Withrow.....	Professor of Chemistry .....	3,000 00
J. W. Shipley .....	Assistant Professor of Chemistry.....	1,500 00
C. E. Boord .....	Assistant Professor of Chemistry.....	1,500 00
J. E. Day .....	Assistant in Chemistry.....	700 00
Elmer Hockett.....	Assistant in Chemistry (part time).....	350 00
H. D. Holler.....	Assistant in Chemistry (part time).....	350 00
J. B. Dickson .....	Assistant in Chemistry .....	700 00
R. C. Hummell.....	Instructor in Chemistry.....	1,300 00
Edward Schmidt .....	Assistant in Chemistry.....	700 00
C. P. McNeil.....	Assistant in Chemistry.....	700 00
C. R. McCrosky.....	Assistant in Chemistry.....	500 00
C. R. Parkinson .....	Assistant in Chemistry.....	500 00
Marion Hollingsworth.....	Assistant in Analytical Chemistry .....	700 00
Gebhard Stegeman.....	Graduate Assistant in Chemistry.....	300 00
C. E. Curran.....	Graduate Assistant in Chemistry.....	300 00
Lee I. Smith.....	Graduate Assistant in Chemistry.....	300 00
Mary E. Kline.....	Graduate Assistant in Chemistry.....	300 00
K. H. Reed .....	Graduate Assistant in Chemistry.....	300 00
R. W. Harris.....	Graduate Assistant in Chemistry.....	300 00
J. H. Young.....	Graduate Assistant in Chemistry.....	300 00
P. E. Sprague.....	Graduate Assistant in Chemistry.....	300 00
Lloyd Copeland .....	Graduate Assistant in Chemistry.....	300 00
H. H. McLaughlin.....	Graduate Assistant in Chemistry.....	300 00
Bryce S. Hull.....	Graduate Assistant in Chemistry.....	300 00
Glenna Hesse.....	Graduate Assistant in Chemistry.....	300 00

\*Also University Architect.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
H. B. Adkins .....	Graduate Assistant in Chemistry (part time) .....	\$ 150 00
J. F. Haskins .....	Graduate Assistant in Chemistry (part time) .....	150 00
C. E. Sherman .....	Professor of Civil Engineering .....	2,500 00
F. H. Eno .....	Professor of Municipal Engineering .....	2,500 00
C. T. Morris .....	Professor of Structural Engineering .....	3,000 00
R. K. Schlafly .....	Asst. Professor of Civil Engineering (part time) .....	170 00
W. S. Hindman .....	Assistant Professor of Civil Engineering ..	1,650 00
G. F. Schlesinger .....	Assistant Professor of Civil Engineering ..	1,650 00
R. C. Sloane .....	Instructor in Civil Engineering .....	1,400 00
Wilhelm Neilson .....	Instructor in Civil Engineering .....	1,000 00
A. D. Kilmer .....	Instructor in Civil Engineering .....	1,000 00
F. C. Caldwell .....	Professor of Electrical Engineering .....	2,500 00
A. E. Flowers .....	Professor of Electrical Engineering .....	2,200 00
J. E. Shepardson .....	Instructor in Electrical Engineering .....	1,200 00
R. A. Brown .....	Instructor in Electrical Engineering .....	1,100 00
L. W. Frost .....	Assistant in Electrical Engineering (part time) .....	630 00
W. R. Alexander .....	Machinist .....	1,020 00
E. W. Carlisle .....	Machinist's Helper .....	480 00
Thos. E. French .....	Professor of Engineering Drawing .....	3,000 00
Robt. Meiklejohn .....	Assistant Professor of Engineering Drawing ..	1,700 00
A. C. Harper .....	Instructor of Engineering Drawing .....	1,300 00
O. E. Williams .....	Assistant Professor of Engineering Drawing ..	1,500 00
Cree Sheets .....	Assistant Professor of Engineering Drawing ..	1,500 00
Wm. D. Turnbull .....	Instructor in Engineering Drawing .....	1,400 00
W. J. Norris .....	Instructor in Engineering Drawing .....	1,400 00
E. J. Gilbert .....	Instructor in Engineering Drawing .....	1,200 00
C. L. Svenson .....	Instructor in Engineering Drawing .....	1,100 00
D. E. Batesole .....	Student Assistant in Engineering Drawing ..	300 00
F. E. Sanborn .....	Professor of Industrial Arts .....	2,420 00
W. A. Knight .....	Associate Professor of Machine Shop Practice .....	1,870 00
C. M. Beem .....	Instructor in Pattern Making and Founding ..	1,595 00
A. A. Case .....	Instructor in Vise Work .....	1,265 00
U. W. Denman .....	Assistant in Pattern Making and Founding ..	1,045 00
J. A. Foust .....	Instructor in Forging .....	1,155 00
J. J. Breckur .....	Assistant in Founding .....	880 00
Robt. E. Smith .....	Assistant in Wood Working .....	800 00
Perry L. Wright .....	Assistant in Forging .....	880 00
Harold Wright .....	Apprentice .....	660 00
R. D. Bohannon .....	Professor of Mathematics .....	2,750 00
G. W. McCoard .....	Professor of Mathematics .....	1,800 00
K. D. Swartzel .....	Professor of Mathematics .....	2,200 00
H. W. Kuhn .....	Professor of Mathematics .....	2,400 00
S. E. Raser .....	Professor of Mathematics .....	2,000 00
C. L. Arnold .....	Associate Professor of Mathematics .....	1,600 00
J. B. Preston .....	Assistant Professor of Mathematics .....	1,500 00
C. C. Morris .....	Assistant Professor of Mathematics .....	1,600 00
Grace Bareis .....	Assistant Professor of Mathematics .....	1,300 00
C. J. West .....	Assistant Professor of Mathematics .....	1,000 00
Hortense Rickard .....	Assistant in Mathematics .....	700 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Marvel C. Horn.....	Graduate Assistant in Mathematics .....	\$ 300 00
John B. Brandeberry.....	Graduate Assistant in Mathematics.....	300 00
Wm. T. Marguder.....	Professor of Mechanical Engineering .....	2,750 00
F. W. Marquis.....	Professor of Steam Engineering.....	2,500 00
Horace Judd.....	Associate Professor of Experimental Engineering .....	1,700 00
A. I. Brown.....	Instructor in Mechanical Engineering....	1,200 00
Ralph C. Hershiser.....	Assistant in Mechanical Engineering.....	750 00
R. G. Lockett.....	Student Assistant in Mechanical Engineering.....	150 00
W. W. Watson.....	Student Assistant in Mechanical Engineering .....	150 00
J. J. Davis.....	Machinist .....	1,020 00
Roy Pratt.....	Helper and Fireman.....	840 00
J. E. Boyd.....	Professor of Mechanics.....	2,500 00
E. F. Coddington .....	Professor of Mechanics.....	2,400 00
Geo. A. Johnson.....	Student Assistant in Mechanics.....	300 00
E. E. Somermeier.....	Professor of Metallurgy .....	1,200 00
D. J. Demorest.....	Professor of Metallurgy.....	2,200 00
O. W. Buck.....	Instructor in Metallurgy (part time) .....	625 00
F. A. Rey.....	Professor of Mine Engineering.....	2,000 00
Wells H. Minor.....	Assistant Professor of Mine Engineering..	1,800 00
Guy E. Hoover.....	Student Assistant in Mine Engineering (part time) .....	150 00
Ellsworth H. Shriver.....	Student Assistant in Mine Engineering...	300 00
H. G. Coon.....	Student Assistant in Mine Engineering...	300 00
W. J. McCaughey.....	Assistant Professor of Mineralogy.....	1,900 00
A. D. Cole.....	Professor of Physics .....	3,000 00
R. F. Earhart.....	Professor of Physics .....	2,400 00
F. C. Blake.....	Professor of Physics.....	2,400 00
S. J. Barnett.....	Professor of Physics.....	2,400 00
Charles Sheard .....	Professor of Physics and Applied Optics..	2,200 00
A. W. Smith .....	Assistant Professor of Physics .....	2,000 00
D. A. Woodbury.....	Instructor in Physics.....	1,200 00
John Strait.....	Assistant in Physics.....	600 00
A. E. Santschi.....	Graduate Assistant in Physics .....	300 00
A. A. Benedict.....	Graduate Assistant in Physics .....	300 00
Charles S. Morris.....	Graduate Assistant in Physics .....	300 00
Authur P. Freund.....	Mechanician.....	1,200 00
Fred B. Grosvenor.....	Director of Clinical Laboratory and Instructor in Theory and Practice.....	1,800 00
Claude A. Burrett.....	Professor of General Surgery and Clinical Surgery and acting Dean of the College of Homeopathic Medicine.....	2,300 00
Albert E. Hinsdale .....	Professor of Materia Medica and Clinical Therapeutics .....	1,800 00
William A. Humphrey.....	Professor of Diseases of Women, Surgical Gynecology and Obstetrics .....	1,800 00
J. A. Ferree.....	Professor of Ophthalmology, Otology, Laryngology and Rhinology.....	1,800 00
Jessie Harrod.....	Chief Nurse, Homeopathic Hospital (part time) .....	500 00
Henry Snow.....	Assistant in Clinical Laboratory.....	225 00
John J. Adams .....	Professor of Law and Dean of the College of Law.....	5,000 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. H. Page.....	Professor of Law.....	\$ 3,500 00
G. W. Rightmire.....	Professor of Law.....	3,250 00
A. H. Tuttle.....	Professor of Law.....	3,250 00
E. B. Dillon.....	Professor of Law.....	800 00
E. B. Kinkade.....	Professor of Law.....	800 00
W. B. Cockley.....	Assistant Professor of Law.....	1,500 00
C. E. Blanchard.....	Assistant Professor of Law.....	1,800 00
F. L. Landacre.....	Professor of Anatomy.....	3,000 00
Edward C. Buck.....	Assistant Professor of Anatomy.....	2,000 00
J. H. Warren.....	Instructor in Histology and Embryology..	1,150 00
G. O. Hoskins.....	Student Assistant in Anatomy.....	300 00
J. A. Caldwell.....	Student Assistant in Anatomy.....	25 00
C. V. Davis.....	Student Assistant in Anatomy.....	25 00
M. W. Jacoby.....	Student Assistant in Anatomy.....	25 00
E. R. Logan.....	Student Assistant in Anatomy.....	25 00
W. S. Puncheon.....	Student Assistant in Anatomy.....	25 00
R. J. Rose.....	Student Assistant in Anatomy.....	25 00
H. L. Sowash.....	Student Assistant in Anatomy.....	25 00
Ernest Scott.....	Professor of Pathology.....	2,500 00
Carl L. Spohr.....	Professor of Bacteriology.....	2,400 00
J. Foreman.....	Instructor in Pathology.....	1,200 00
S. A. Hatfield.....	Instructor in Pathology.....	1,500 00
R. F. Drury.....	Assistant in Bacteriology.....	600 00
H. R. Wright.....	Instructor in Pathology.....	300 00
Carl F. Huggar.....	Technician.....	600 00
R. L. Barnes.....	Instructor in Clinical Microscopy.....	150 00
H. M. Brundage.....	Instructor in Clinical Microscopy.....	150 00
W. L. Evans.....	Professor of Chemistry.....	500 00
F. M. Stanton.....	Assistant Professor of Chemistry.....	1,350 00
P. A. Davis.....	Instructor in Chemistry.....	850 00
J. C. Bowman.....	Assistant in Chemistry.....	450 00
R. M. Salter.....	Assistant in Chemistry.....	300 00
Clayton McPeck.....	Assistant Professor of Physiology.....	2,200 00
C. I. Reed.....	Assistant in Physiology.....	800 00
S. H. Ashman.....	Student Assistant in Physiology.....	125 00
M. L. Helfrich.....	Student Assistant in Physiology.....	125 00
H. R. Burbacher.....	Assistant Professor of Pharmacology.....	1,750 00
P. M. Wright.....	Instructor in Materia Medica.....	1,500 00
W. E. Duffee.....	Student Assistant in Pharmacology.....	300 00
W. J. Means.....	Professor of Surgery and Acting Dean of College of Medicine.....	1,500 00
E. G. Horton.....	Professor of Pediatrics.....	400 00
Robert Thornton.....	Clinical Ward Assistant.....	500 00
Gilbert Brehm.....	Assistant in Obstetrics.....	500 00
Geo. B. Kauffman.....	Professor of Pharmacy and Dean of the College of Pharmacy.....	2,000 00
C. A. Dye.....	Professor of Pharmacy.....	2,200 00
Edward Spease.....	Assistant Professor of Pharmacy.....	1,700 00
Albert R. Paar.....	Assistant in Pharmacy.....	350 00
Paul C. Slater.....	Assistant in Pharmacy.....	350 00
D. S. White.....	Professor of Veterinary Medicine and Dean of the College of Veterinary Medicine..	3,000 00
S. Sisson.....	Professor of Comparative Anatomy.....	3,000 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
O. V. Brumley .....	Professor of Veterinary Surgery .....	\$ 3,000 00
A. G. G. Richardson .....	Professor of Veterinary Pathology .....	2,500 00
F. A. Lambert .....	Assistant Professor of Comparative An- atomy .....	1,800 00
J. H. Snook .....	Assistant Professor of Veterinary Surgery .....	1,900 00
J. N. Shoemaker .....	Assistant Professor of Veterinary Medi- cine and Manager of Summer Clinic .....	1,800 00
Max Wershow .....	Instructor in Veterinary Pathology .....	1,200 00
Walter R. Hobbs .....	House Surgeon-Veterinary Clinic .....	600 00
Louis Smith .....	Hospital Clerk .....	100 00
Geo. L. Converse .....	Professor of Military Science and Tactics .....	450 00
Truman D. Thorpe .....	Assistant to Commandant .....	1,500 00
Gustav Bruder .....	Band Master .....	350 00
H. S. Wingert .....	Professor of Physical Education .....	2,750 00
Henry C. Ohlson .....	Instructor in Physical Education .....	1,400 00
George H. Barthalomew .....	Instructor in Physical Education .....	1,300 00
Dora Sauer .....	Assistant in Physical Education .....	1,200 00
Dorothy Bocker .....	Director of Physical Education for Women .....	1,700 00
Marguerite Moore .....	Assistant in Physical Education .....	300 00
Mrs. Clark Hunter .....	Pianist (part time) .....	450 00
Lola Stout .....	Maid .....	420 00
Olive Jones .....	Librarian .....	2,000 00
Harriet N. Townshend .....	Assistant .....	840 00
Gertrude S. Kellicott .....	Accession Librarian .....	1,380 00
Maud Jeffrey .....	Reference Librarian .....	1,380 00
Donald Leidigh .....	Accession Assistant .....	720 00
Alice D. McKee .....	Cataloguer .....	840 00
Blanche L. Seipel .....	Cataloguing Assistant .....	780 00
Alice C. Stephens .....	Assistant Cataloguer (part time) .....	195 00
Chas. W. Reeder .....	Reference Librarian (part time) .....	900 00
Bertha Schneider .....	Head Cataloguer .....	1,080 00
Nelson McCombs .....	Library Assistant .....	600 00
Louise Schoeneweis .....	Library Assistant .....	1,020 00
Alice Morris .....	Library Assistant .....	840 00
Justice H. Dice .....	Reference Assistant .....	1,000 00
Roy Haber .....	Night Assistant .....	360 00
E. F. Gerish .....	Night Assistant .....	360 00
Marguerite Mitchell .....	Library Assistant (part time) .....	660 00
Roger B. Morrow .....	Assistant Cataloguer (part time) .....	585 00
Lillian Nippert .....	Library Assistant .....	600 00
Caroline M. Breyfogle .....	Professor of Biblical History, Literature and Exegesis and Dean of Women .....	2,000 00
Katherine H. Duncan .....	Executive Clerk .....	1,500 00
Eva L. Long .....	Stenographer .....	720 00
Carl E. Steeb .....	Business Manager and Secretary of the Board of Trustees .....	5,000 00
R. M. Royer .....	Purchasing Agent .....	2,000 00
Boss C. Watters .....	Cashier .....	1,300 00
Jane S. Haskett .....	Chief Clerk .....	960 00
Mary Kraus .....	Auditor .....	960 00
Clara Baker .....	Book-keeper .....	900 00
Helen Zeller .....	Inventory Clerk .....	900 00
Marie Carroll .....	Clerk .....	780 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Louise Kraus .....	Assistant Book-keeper .....	\$ 720 00
Ethel Gilkey .....	Clerk .....	660 00
Katherine A. Vogel .....	Clerk .....	660 00
F. O. Howell .....	Accountant .....	1,500 00
Hazel Bratton .....	Typist (part time) .....	451 67
Edith D. Cockins .....	Registrar, Secretary of Faculty and University Editor .....	2,133 24
Lucy M. Taylor .....	Assistant to Registrar (part time) .....	562 50
Clara Miller .....	Assistant to Registrar .....	720 00
Marian H. Waters .....	Assistant to Registrar .....	720 00
Helen M. Clarke .....	Assistant to Registrar .....	720 00
Sara Jacobs .....	Assistant to Registrar (part time) .....	300 00
Winifred M. Warner .....	Assistant to Registrar (part time) .....	300 00
Jessie Bush .....	Stenographer .....	600 00
Mary J. Hunter .....	Stenographer .....	600 00
Lester E. Wolfe .....	Secretary of Entrance Board .....	2,133 24
Isabel McNeal .....	Stenographer (part time) .....	75 00
Frances B. Work .....	Stenographer .....	600 00
Emma Ruth .....	Typist (part time) .....	456 67
F. E. Jones .....	Receiving Clerk .....	1,600 00
James Lawson .....	Checking Clerk .....	720 00
Willis Fichtelman .....	Delivery Man .....	600 00
Earl Conway .....	Stock Clerk .....	720 00
Blanche Sullivan .....	Clerk .....	660 00
H. W. Brewer .....	Store Keeper .....	1,020 00
H. W. Miller .....	First Assistant in Store Room .....	780 00
Errett A. Davis .....	Second Assistant in Store Room .....	600 00
Florence Hill .....	Clerk .....	660 00
Nellie H. Copeland .....	Stenographer—Townshend Hall .....	660 00
W. Aimee Obaugh .....	Stenographer—Townshend Hall .....	660 00
Naomi Haber .....	Clerk—Townshend Hall .....	600 00
Harriet Schneider .....	Stenographer—Page Hall (part time) .....	50 00
Mary Lahmering .....	Stenographer—Lord Hall .....	660 00
Lenora Glasgow .....	Stenographer—Lord Hall .....	720 00
Mina Kennedy .....	Stenographer—Hayes Hall .....	660 00
Candace H. Taylor .....	Stenographer—Robinson Laboratory (part time) .....	175 00
Dora Hepner .....	Stenographer—Robinson Laboratory .....	600 00
Cordelia Smith .....	Stenographer—Chemistry Hall (part time) .....	100 00
Annette M. Shugert .....	Stenographer—Brown Hall .....	720 00
Helen L. Bush .....	Stenographer—Judging Pavilion .....	600 00
Ethel Althoff .....	Stenographer—University Hall (part time) .....	120 00
Mary Thomas .....	Stenographer—Zoology Building .....	600 00
John F. Madden .....	Armorer—Military Department .....	500 00
Chas. E. Findlay .....	Clerk—Military Department .....	600 00
W. F. Felch .....	Clerk—Physical Education .....	600 00
Mabel Moran .....	Stenographer—Veterinary Medicine (part time) .....	500 00
Bessie O. Garwick .....	Stenographer—Page Hall (part time) .....	136 67
Lurene Wade .....	Stenographer—University Hall (part time) .....	455 00
Helen Silberbert .....	Stenographer—Chemistry Department (part time) .....	437 50
Mabel Romick .....	Clerk—Homeopathic Hospital (part time) ..	96 25

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Eva Smith .....	Stenographer—Horticulture Department (part time).....	\$ 450 00
Alta Eason.....	Stenographer—Dairy Department (part time).....	360 00
Marie D. Haines.....	Sales Clerk—Dairy Department (part time).....	360 00
Hugh Hardy .....	Clerk—Mailing Room (part time) .....	585 00
Ellen A. Rice.....	Stenographer—Homeopathic Medicine. (part time).....	345 00
Gertrude Petty.....	Stenographer—Page Hall (part time) ....	350 00
Clarissa Arndt .....	Stenographer—College of Education (part time).....	340 00
Forrest E. Adamson .....	Assistant Armorer—Military Department (part time).....	150 00
Wm. C. McCracken.....	Superintendent of Buildings and Grounds	2,500 00
C. M. Dunbar.....	Clerk.....	730 00
W. B. Booth.....	Assistant Superintendent of Buildings and Grounds.....	1,620 00
Robt. B. Kaiser.....	Plumber.....	1,200 00
H. E. Truxall.....	Painter.....	960 00
E. Inscho.....	Plumber's Helper.....	720 00
T. McGarry.....	Foreman of Campus.....	900 00
H. R. Johnson.....	Tinner (part time).....	720 00
J. Kraner.....	Carpenter (part time).....	824 94
P. S. Neth.....	Carpenter (part time).....	824 94
J. Brain.....	Painter (part time).....	675 00
John Shotts.....	Painter (part time).....	675 00
E. Long.....	Campus Laborer (part time).....	463 00
L. Stewart.....	Campus Laborer (part time).....	463 00
H. Reasoner .....	Campus Laborer (part time).....	463 00
John Van Atta.....	Campus Laborer (part time).....	585 00
Chas. M. Hicks.....	Inspector of Janitors.....	900 00
E. J. Nutt.....	Janitor—Armory .....	660 00
Richard Brandon.....	Janitor—Armory .....	660 00
J. A. Bond .....	Janitor—Armory .....	660 00
Robert Hall.....	Janitor—Biological Hall.....	690 00
W. E. Simpson.....	Janitor—Botany and Horticulture Buildings	660 00
W. M. Stahl.....	Janitor—Brown Hall.....	660 00
D. W. Williams.....	Janitor—Chemistry Hall.....	660 00
Wm. Daehler.....	Janitor—Chemistry Hall.....	660 00
W. H. Spurgeon.....	Janitor—Townshend Hall.....	660 00
M. N. Cook .....	Janitor—Hayes Hall.....	660 00
Anna H. Miller.....	Janitress—Hayes Hall (part time) .....	412 50
Harry Chantler.....	Janitor—Library.....	690 00
John O'Rourke.....	Janitor—University Hall.....	690 00
O. E. Kiger .....	Janitor—Library .....	660 00
J. J. Weate.....	Janitor—Lord Hall.....	660 00
W. W. Whitmer.....	Janitor—Lord Hall.....	660 00
Carl C. Lowe.....	Student Janitor—Observatory .....	300 00
S. A. Williams .....	Janitor—Orton Hall.....	660 00
Lou Cornett (Mrs.).....	Janitress—Orton Hall .....	450 00
John W. Brown .....	Janitor—Page Hall .....	660 00
G. C. Denny.....	Janitor—Horticulture and Forestry Building.....	690 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. Curry .....	Janitor—Botany Building (part time) .....	\$ 537 17
B. N. Lewis .....	Janitor—Physics and Brown Halls (part time) .....	631 48
Carrie Feightner (Mrs.) ..	Janitress—Hayes Hall (part time) .....	37 50
Oliver Smith .....	Janitor—Robinson Laboratory .....	660 00
R. M. Moore .....	Janitor—Robinson Laboratory .....	660 00
Fred Fleishher .....	Janitor—Orton Hall .....	690 00
J. W. DeWitte .....	Janitor—Physics Hall .....	660 00
Jack Gantz .....	Janitor—University Hall .....	660 00
L. F. Jordan .....	Janitor—University Hall .....	660 00
B. F. Talmadge .....	Janitor—Veterinary Clinic .....	690 00
G. W. Weygandt .....	Janitor—Veterinary Clinic .....	690 00
H. W. Walker .....	Janitor—Veterinary Clinic .....	660 00
E. L. Clements .....	Janitor—Veterinary Laboratory .....	690 00
Oscar Metze .....	Janitor—Veterinary Laboratory .....	660 00
F. B. Seaman .....	Janitor—Horse Barn .....	300 00
W. R. Thomas .....	Janitor—Judging Pavilion (part time) .....	50 00
G. Miller .....	Janitor—Chemistry Hall .....	660 00
Chas. A. Hopkins .....	Janitor—Library (part time) .....	550 00
James E. Halliday .....	Janitor—Homeopathic Hospital (part time) .....	438 50
M. S. Harvey .....	Elevator Man .....	350 00
Bert E. Faught .....	Laundryman (part time) .....	218 00
Myrtle Faught (Mrs.) .....	Laundress (part time) .....	200 00
William North .....	Policeman .....	780 00
W. F. Mahaffey .....	Night Watchman .....	750 00
John T. Daniels .....	Night Watchman .....	750 00
H. S. Brown .....	Policeman .....	720 00
John P. Covan .....	Master Mechanic .....	1,680 00
W. H. Case .....	Assistant Chief Engineer .....	1,080 00
Fred Brewer .....	Engineer .....	960 00
W. D. Hicks .....	Engineer .....	960 00
C. Ashenhurst .....	Fireman .....	840 00
Samuel Lowery .....	Fireman .....	840 00
Otto Law .....	Fireman .....	840 00
A. O. Kaiser .....	Helper to Engineer .....	780 00
F. H. Beck .....	Electrician .....	1,080 00
G. W. Dillihunt .....	Assistant Electrician .....	840 00
B. A. LeBay .....	Steam Fitter .....	960 00
I. C. Reasoner .....	Blacksmith .....	840 00
William Anderson .....	Craneman .....	900 00
Clinton T. Fippin .....	Helper (part time) .....	191 48
J. N. Bradford .....	University Architect .....	2,300 00
Ray Sims .....	Chief Draftsman .....	1,400 00
Harry F. Reichard .....	Clerk of the Works .....	1,200 00
Coletta Kelly .....	Stenographer .....	720 00
Mary Powers .....	Matron—Girls' Rest Room .....	450 00
W. M. Mutchmore .....	Custodian .....	1,200 00
Carrie F. Dudley .....	Clerk .....	900 00
Allie F. Harness (Mrs.) .....	Clerk .....	600 00
Albert Deiss .....	Janitor—College of Medicine (part time) .....	150 00
James Merrill .....	Janitor—College of Medicine .....	480 00
Huston Jones .....	Janitor—College of Medicine .....	600 00
Thomas Evans .....	Janitor—College of Medicine .....	540 00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Frederick Taylor	Janitor—College of Medicine	\$ 405 00
William Pohle	Janitor—College of Medicine (part time)	450 00
Mrs. James Merrill	Janitress—College of Medicine (part time)	207 00
Harry L. Pressler	Student Clerk—State Street Dispensary (part time)	150 40
George C. Hayman	Student Clerk—Park Street Dispensary (part time)	150 40
Alice Fulton	Nurse—Homeopathic Hospital (part time)	37 50
May Speice (Mrs.)	Nurse—Homeopathic Hospital (part time)	4 16
Cora Ranous (Mrs.)	Nurse—Homeopathic Hospital (part time)	33 33
Louisa Harrod	Nurse—Homeopathic Hospital (part time)	31 67
Rena Daly	Nurse—Homeopathic Hospital (part time)	27 08
Mary Yarnell	Nurse—Homeopathic Hospital (part time)	3 75
Vera Benjamin	Nurse—Homeopathic Hospital (part time)	19 45
Elinor Schlegemilch	Nurse—Homeopathic Hospital (part time)	15 97
Hazel Ault	Nurse—Homeopathic Hospital (part time)	13 33
Olga Johnson	Nurse—Homeopathic Hospital (part time)	7 64
Helen Johnson	Teacher of Surgical Nursing (part time)	183 75
C. H. Bair	Interne—Protestant Hospital	100 00
N. A. Albanese	Interne—Protestant Hospital	100 00
Samuel Edelman	Interne—Protestant Hospital	100 00
F. A. McCullough	Interne—Protestant Hospital	100 00
W. T. Fenker	Interne—St. Francis Hospital	100 00
L. H. Whisler	Interne—St. Francis Hospital	100 00
R. W. Schulenberg	Interne—St. Francis Hospital (part time)	41 67
A. L. Bates	Driver—Dairy Department (part time)	378 00
Cecil Bayes	Care of Cattle (part time)	495 00
Arthur Bayes	Poultryman (part time)	540 00
Edward Brown	General Helper—Animal Husbandry Department (part time)	450 00
Sherman Lanman	Care of Sheep (part time)	287 83
Robt. Watson	Groom (part time)	540 00
L. H. Myers	Teamster and General Helper (part time)	450 00
Edward Silver	Care of Cattle (part time)	495 00
Wm. Franklin	Care of Sheep (part time)	230 00
LeRoy Wilson	Caretaker—Horse Barn (part time)	495 00
F. M. Ford	Teamster (part time)	495 00
John Rhone	Teamster (part time)	468 00
Charles Pugh	Teamster (part time)	468 00
John S. Long	Teamster (part time)	468 00
Marion Peck	Teamster (part time)	468 00

## AGRICULTURAL EXTENSION

A. B. Graham	Superintendent of Agricultural Extension (part time)	229 16
C. S. Wheeler	Supervisor of Extension Schools	1,375 00
J. E. McClintock	Supervisor of Publications and Correspondence Courses	1,741 63
M. A. Bachtell	Instructor in Soil Fertility	1,375 00
R. B. Cruickshank	Instructor in Horticulture	1,375 00
W. H. Palmer	Assistant Professor of Animal Husbandry	1,375 00
H. E. Eswine	Assistant in Agricultural Extension	1,031 25
Clayton Long	Instructor in Poultry Husbandry (part time)	325 00
Rhoda Dick	Instructor in Home Economics	870 00



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Treva Kauffman.....	Instructor in Home Economics.....	\$ 870 00
Maud Okey.....	Instructor in Home Economics.....	725 00
Mary Betz.....	Instructor in Home Economics.....	725 00
Florence H. Willison.....	Instructor in Home Economics.....	725 00
Hazel B. Williams.....	Instructor in Home Economics.....	725 00
Nan Sharples.....	Instructor in Home Economics.....	752 50
Wallace E. Hanger.....	Assistant Professor of Agronomy (part time).....	600 00
George B. Crane.....	Assistant in Agricultural Extension (part time).....	350 00
Earl Chenault.....	Assistant in Farm Crops (part time).....	100 00
Frederick H. Herzer.....	Assistant in Farm Crops (part time).....	100 00
Ruth M. James.....	Assistant in Agricultural Extension (part time).....	200 00
Alice McMillan.....	Stenographer (part time).....	660 00
Luella Searle.....	Stenographer.....	600 00
Lora James.....	Stenographer.....	600 00
Elizabeth Hopkin.....	Stenographer.....	600 00
Helen Davis.....	Stenographer (part time).....	40 00
Lenore E. Peck.....	Cow Testing Clerk.....	720 00
F. L. Allen.....	County Agent (part time).....	590 00
D. R. Vanatta.....	County Agent (part time).....	290 00
M. C. Thomas.....	County Agent (part time).....	290 00
A. E. Brenneman.....	County Agent (part time).....	510 00
C. Ellis Bundy.....	County Agent (part time).....	290 00
H. P. Miller.....	County Agent (part time).....	450 00
E. J. Riggs.....	County Agent (part time).....	290 00
M. O. Bugby.....	County Agent (part time).....	285 00
D. W. Galehouse.....	County Agent (part time).....	215 00
Estelle I. Byrne.....	Clerk (part time).....	225 00
Jessie M. Haible.....	Clerk (part time).....	180 00
Clara E. Stegner.....	Clerk (part time).....	200 00
Elwood L. Ward.....	Clerk (part time).....	152 00
William C. Joest.....	Clerk (part time).....	232 00

## PROFESSORS AND OTHER INSTRUCTORS WHO SERVE WITHOUT COMPENSATION

Charles S. Hamilton.....	Professor of Clinical Surgery
Curtis C. Howard.....	Professor of Toxicology
Thomas C. Hoover.....	Professor of Clinical Surgery
Charles F. Clark.....	Professor of Ophthalmology
William D. Hamilton.....	Professor of Clinical Surgery
James F. Baldwin.....	Professor of Clinical Surgery
Conrade A. Howell.....	Professor of Principles of Surgery
Andre Crotti.....	Professor of Clinical Surgery
Charles W. McGavran.....	Professor of Medicine
John E. Brown.....	Professor of Rhino-Larygology
William K. Rodgers.....	Professor of Otology
William D. Deuschle.....	Professor of Nervous Diseases
Earl M. Gilliam.....	Professor of Diseases of Women
Frank Winders.....	Professor of Medicine and Clinical Medicine
Andrew Timberman.....	Professor of Ophthalmology
Yeatman Wardlow.....	Professor of Clinical Gynecology
William D. Inglis.....	Professor of Obstetrics
John H. J. Upham.....	Professor of Medicine and Clinical Medicine

<i>Name of Employee</i>	<i>Position</i>
Elmer G. Horton	Professor of Pediatrics
Charles J. Shepard	Professor of Dermatology
Eugene F. McCampbell	Professor of Preventive Medicine
Harry H. Snively	Assistant Professor of Obstetrics
Joseph S. Jones	Assistant Professor of Therapeutics
Isaac B. Harris	Assistant Professor of Surgery
Verne A. Dodd	Assistant Professor of Surgery
Jacob J. Coons	Assistant Professor of Medicine
Andrews Rogers	Assistant Professor of Obstetrics
Starling S. Wilcox	Assistant Professor of Genito-Urinary Surgery
Thomas G. Youmans	Assistant Professor of Genito-Urinary Surgery
Alexander M. Steinfeld	Assistant Professor of Orthopedic Surgery
Edwin A. Hamilton	Assistant Professor of Proctology
Wells H. Teachnor	Assistant Professor of Proctology
Leslie M. Lisle	Assistant Professor of Physical Diagnosis
Charles F. Bowen	Assistant Professor of Roentgenology
John A. Riebel	Assistant Professor of Genito-Urinary Diseases
Charles S. Means	Instructor in Ophthalmology
Charles F. Gilliam	Instructor in Mental Diseases
Florus F. Lawrence	Instructor in Clinical Surgery
Halbert B. Blakey	Instructor in Medicine
George C. Schaeffer	Instructor in Ophthalmology
John W. Means	Instructor in Surgery
Leslie L. Bigelow	Instructor in Surgery
Fred Fletcher	Instructor in Surgery
Hugh J. Means	Instructor in Roentgenology
Joseph Price	Instructor in Clinical Surgery
Elijah J. Gordon	Instructor in Medicine
George T. Harding	Instructor in Nervous Diseases
Harley O. Bratton	Instructor in Genito-Urinary Surgery
John B. Alcorn	Instructor in Laryngology
Andrew W. Prout	Instructor in Rhino-Laryngology
Roscoe R. Kahle	Instructor in Surgery
G. H. Williams	Instructor in Mental Diseases
Adam G. Elder	Instructor in Medicine
C. D. Hoy	Assistant in Clinical Surgery
Luke V. Zartman	Assistant in Surgery
J. W. Sheetz	Assistant in Medicine
Harry E. Myers	Assistant in Gynecology
A. B. Landrum	Assistant in Genito-Urinary Diseases
Ivor G. Clark	Assistant in Ophthalmology
Samuel Forsythe	Assistant in Rhino-Laryngology
Ada V. Wright	Assistant in Physiology
R. A. Ramsey	Assistant in Medicine
Joseph M. Gallen	Assistant in Surgery
A. G. Helmick	Assistant in Clinical Pediatrics
L. M. Herskowitz	Assistant in Medicine
C. W. Hadley	Assistant in Obstetrics
Philip Wilson	Assistant in Clinical Surgery
O. M. Kramer	Assistant in Physical Diagnosis
F. G. Boudreau	Assistant in Physical Diagnosis
Jacob R. Wiggers	Student Assistant in Homeopathic Medicine
William J. Hultenschmidt	Student Assistant in Homeopathic Medicine
Edward C. Ludwig	Instructor in Anaesthetics



## APPENDIX IV

COURSE SUBJECT (Give full name of course, not the name of the Department)	First Semester			Second Semester		
	Course No.	Credit Hrs.	Total No. of Students in all Sections	Course No.	Credit Hrs.	Total No. of Students in all Sections
<b>AGRICULTURAL CHEMISTRY</b>						
General Agricultural Chemistry .....	103	5	190	104	5	178
Advanced Agricultural Analysis .....	105	5	6	106	5	6
Chemistry of Insecticides .....	113	2	8			
Home Economics Chemistry .....	123	4	80	124	4	80
Dairy Chemistry .....	107	4	4	108	4	0
Food Analysis .....	121	4	13	122	4	13
Chemistry of Soils .....	109	4	20	110	4	18
Chemistry of Food and Nutrition .....	125		14	126	4	14
Applications of Chemistry to Agriculture .....	51	4	150	52	4	140
Soil Fertility (Winter Course) .....		4	125			
Research work .....	131	5	4	132	5	4
<b>AGRICULTURAL ENGINEERING</b>						
Farm Machinery and Farm Power .....	101	4	60	101	4	83
Drainage .....				102	3	40
Farm Architecture .....	121	2	22	121	2	6
Farm Buildings Special .....					2	4
Farm Structures .....	51	4	107	51	4	27
Farm Engineering (Winter Course) .....		3	106			
<b>AGRONOMY</b>						
<b>FIELD CROPS—</b>						
Field Crop Production .....	106	4	85	106	4	58
Seeds and Market Grains .....	109	2	15			
Advanced Crop Production .....	115	1-10	11	116	1-10	11
Grasses and Forage Crops .....				111	2-3	60
Crop Production .....	51	4	141	52	4	127
Field Crop Production (8 weeks) .....					4	70
<b>SOILS—</b>						
Elementary Soils .....	105	4	59			
Advanced Soils .....	107	4	15			
Forest Soils .....	123	2	12			
Elementary Soils .....				104	4	188
<b>AMERICAN HISTORY</b>						
Political History of the United States 1763-1912 .....	101	3	197	101	3	46
Constitutional History of the United States .....	107	2	18	108	3	17
Political Parties in the United States .....	109	2	12	110	2	12
The Slavery Struggle to 1854 .....	111	3	5			
Teaching of American History .....	121	2	8			
Recent History of the U. S. 1870-1910 .....	123	3	11	124	3	12
Graduate Seminar .....	205	2	3	206	2	2
Graduate Thesis work .....			1			1
Political History of the United States .....				102	3	184
Slavery Struggle and its Results .....				112	3	6
<b>ANIMAL HUSBANDRY</b>						
Types and Classes of Cattle and Sheep .....	101	4	211			
Types and Classes of Horses and Swine .....				102	4	194
Types and Broods of Live Stock .....	51	4	150	52	5	135
Breeds of Horses and Sheep .....	103	4	40			
Breeds of Cattle and Swine .....				104	4	46
Feeding Animals .....	105	3	104			
Principle of Breeding .....				106	4	35
Animal Conformation and Stock Judging .....	107	4	16			

## APPENDIX IV Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ANIMAL HUSBANDRY (Concluded)</b>						
Live Stock Management .....				108	4	26
Horse Training, Harness and Vehicle .....	109	2	15			
Meats and Meat Products .....				110	1	11
Live Stock Marketing and Commerce .....				112	3	10
Dairy Cattle .....				116	4	29
Poultry Husbandry .....	117	3	25	118	3	14
Poultry Management .....	119	2	2			
Poultry Feeding .....				120	1	13
Poultry Culture .....	121	1	not given			
Incubator Practice .....				122	1	17
Dairy Cattle .....	123	4	34			
Breeding and Feeding .....				128	3	43
Types and Breeds of Live Stock (Veterinary) .....				132	3	39
<b>ARCHITECTURE</b>						
History of Architecture .....	101	3	22	102	3	25
Order Problems .....	103	2	17	104	5	19
Design .....	107	5	20	108	4	20
Decoration and Ornament-Working Drawings (110) .....	109	3	21	110	4	22
Photography .....	111	2	41	112	2	64
Principles of Architectural Composition .....	113	2	19	114	3	7
Design .....	115	6	10			
Professional Practice .....				116	4	9
Sanitary Plumbing .....	117	1	7			
Thesis .....				118	5	8
Masonry .....	119	2	7			
Shades, Shadows and Perspective .....				124	3	13
Engineering Drawing-Clay Modeling (Architectural Rendering substituted) .....	119	2	9			
<b>ART</b>						
Design and Composition .....	101	2	116	102	2	105
Still Life Composition .....	103	2	11	103	2	8
Still Life Composition .....				104	2	14
Design and Composition .....	105	2	44	105	2	7
Design and Composition .....				106	2	7
Still Life Composition in Color Values .....	107	2	11	108	2	9
Design and Composition .....	109	2	6	110	2	7
Study from Head and Costumed Model .....	111	3	8	112	3	11
Advanced Course in Painting from Still Life and Model, and Outdoor Sketching .....	115	3	4	116	3	4
Theory and Practice of Teaching Art .....	117	3	6	118	3	6
Art Appreciation .....	119	1	22	120	1	21
Costume Design .....	121	2	64	121	2	15
Costume Design .....				122	2	14
<b>ASTRONOMY</b>						
Astronomy, Coodesy and Least Squares .....	105	3	26	104	3	26
General Astronomy .....	101	3	35	102	3	30
<b>BACTERIOLOGY</b>						
Veterinary Bacteriology .....	101	4	53			
Pharmacy Bacteriology .....				102	2	25
Short Agricultural Bacteriology .....				104	3	37
General Bacteriology .....	107	3-5	187			
Pathogenic Bacteriology .....				108	2.5	83
Dairy Bacteriology .....				110	2.4	13
Soil Bacteriology .....				112	2.4	13
Water Bacteriology .....				114	2.5	14
Immunity and Serum Therapy .....	117	2-5	54	118	2.5	18
Special Problems in Advanced Bacteriology .....	125	2-5	5	125	2-5	4
<b>BIBLICAL LITERATURE, HISTORY AND EXEGESIS</b>						
Biblical Literature .....	101	3	17			
Historical Christianity in Outline .....				102	3	15



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course number	Credit Hours	Total No. of Students in all Sections
<b>BIBLIOGRAPHY</b>						
Agricultural Bibliography.....	103	1½	287			
Bibliography for Social Sciences.....	105	1	14	106	1	15
<b>BOTANY</b>						
General Botany.....	101½	4	324	102	4	258
Plant Histology.....	107	2	1			
General Dendrology.....				110	2	18
Elementary Botany.....				112	4	19
Morphology of Higher Fungi.....	113	3	2			
Plant Pathology.....				116	2	20
Forest Ecology.....	117	4	8	118	4	8
Field Botany.....				120	2	9
Plant Genetics.....	121	2	10			
Advanced Morphology.....	123	3-5	4	124	3-5	4
Plant Physiology.....	125	4	44	126	4	42
General Plant Pathology.....	127	4	14	128	4	11
Systematic Botany.....	129	3-5	10	130	3-5	7
Minor Investigation.....	133	3-5	6	134	3-5	5
Evolution of Plants.....	135	1	4	136	1	4
Advanced Micology.....	139	3-5	3	140	3-5	1
Dendrology of Conifers.....				142	2	14
Research in Systematic Botany.....	201	3-10	2	202	3-10	1
Research in Morphology and Dytology.....	203	4-10	3	204	4-10	2
Research in Physiology and Ecology.....	205	4-10	1			
Research in Micology.....	207	3-10	2	208	3-10	2
<b>CERMANIC ENGINEERING</b>						
Cermanic Chemistry.....	101	4		102	4	18
Cermanic Calculations.....	105	2	16			
Physical and Chemical Measurements of Clays.....				108	3	10
Laboratory Work in Cermanics.....	111	5	13	112	5	12
Cermanic Designing.....	113	5	12	114	5	12
Laboratory Work in Cermanics (Short Course Students).....	115	2	1			
Thesis.....						
Cement Manufacture.....				116	4	8
Dryer and Kiln Design (Short Course Students).....				118	5	0
Laboratory Work in Cermanics (Short Course Students).....				122	4	0
Cermanic Lectures.....	141	3	32	126	5	0
Cermanic Manufacture.....	143	3	16	142	3	30
				144	3	13
<b>CHEMISTRY</b>						
Quantitative Analysis.....	121	4	23			
Elementary Chemistry.....	105	4	471	106	4	443
Elementary Chemistry.....	109	4	407	110	4	347
Elementary Chemistry.....	101	4	46	102	4	3
Elementary Chemistry.....				104	2	56
Advanced General Chemistry.....	113	2	72	114	2	64
Qualitative Analysis.....	117	3	15			
Quantitative Analysis.....	119	4	72	120	4	54
Chemical Problems.....				124	1	48
The Reading of Chemical Literature (German).....				136	2	17
Organic Chemistry.....	151	2	55	152	2	55
Organic Chemistry.....	153	2-3	49	154	2-3	33
Inorganic Preparations.....	187	2-3	18	188	2-3	4
Physical Chemistry.....	157	3	56	158	3	55
Physical Chemistry.....	161	2-3	10	162	2-3	2
Quantitative Analysis.....	165	2	19			
Qualitative Analysis.....				168	3-5	26
Special Methods of Analysis.....	167	3-5	6			
Quantitative Analysis.....	169	3-5	5			
Sanitary Analysis.....				176	3	18
Industrial Chemistry.....	177	2	35	178	1	31
Industrial Chemistry.....	185	2	26	186	3	23
Rare Elements.....				192	2	23
Applied Electro Chemistry.....				194	2	14

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>CHEMISTRY (Concluded)</b>						
Inorganic Chemistry.....				196	3	7
Physical Chemistry.....	201	3	12	202	3	13
Organic Chemistry.....	205	3-5	0	206	3-5	0
Inorganic Preparations.....	209	3	0	210	3	0
Historical Chemistry.....	213	2	18			
Organic Chemistry.....	215	2	8			
Analytical Chemistry.....	227	2	13			
Chemical Seminar.....	231	1		232	1	
Research Work.....	235	5-10	10	236	5-10	10
Organic Chemistry.....	127	4	103			
Thesis Work (Chemical Engineers).....	140	4	19			
<b>CIVIL ENGINEERING</b>						
Land Surveying.....	101	4	62			
Field Practice.....	101a	1	57	102a	1	56
Topographic Drawing.....	103	2	57			
Topographic Surveying.....	105	3	29			
Summer Surveying Camp 104-4-13.....						
Stereotomy.....	107	3	29			
Sanitary Engineering.....	109	2	28			
Summer Surveying Camp 111-4-0.....						
Bridge Designing.....	113	4	25			
Masonry Construction.....	115	3	26			
Cement and Concrete.....	118a	3	28			
Thesis.....	119	1	23	122	4	24
Surveying and Topographic Drawing.....	121	6	17			
Trusses.....	123	3	26	124	3	40
Tall Buildings.....	125	3	9			
Investigation and Design.....	201	3	1	202	3	3
Research Work.....	203	7	1	204	7	1
Railroad Surveying.....				102	3	66
Roads and Streets.....				106	3	30
Timber Construction.....				108	3	28
Stresses in Structures.....				110	4	31
Railway Location.....				112	4	15
Advanced Bridges.....				114	4	8
Masonry Structures.....				116	3	26
Cement and Concrete.....				118	3	19
Water Supply Engineering.....				117a	3	23
Contracts and Specifications.....				120	2	34
Timber and Masonry.....				126	2	27
Plane Surveying.....				128	2	61
<b>DAIRYING</b>						
Principles of Dairying.....	101	4	158			
Farm Dairying.....				102	4	89
City Milk Supply.....	103	4	3	104	4	35
Butter Making.....	105	4	25	106	4	25
Cheese Making.....	107	3	6	108	3	9
Elementary Dairying.....	109	4	44			
Ice Cream Making and Milk Condensing.....				110	5	6
Dairy Mechanics.....	111	3	4			
Advanced Dairying.....	113	3	11	114	3	8
Advanced Dairying.....	117	5-10	4	118	5-10	10
Elementary Dairying.....	52	3	148			
Winter Course in Agriculture.....			76			
Special Dairy Short Courses.....			77			
<b>DENTISTRY</b>						
Histology and Embryology.....	139	3	56	140	3	49
Anatomy, Gross and Dissection.....	125	4	56	126	4	49
Dental Anatomy.....	145	1	56	146	1	49
Chemistry, Inorganic.....	101	4	52	102	4	45
Prosthetic Dentistry.....	101	6	56	102	6	49
Dental Technics.....	147	1	56			



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>DENTISTRY (Concluded)</b>						
Bacteriology				126	3	49
Organic Chemistry	111	2	37			
Anatomy	131	3	37	132	2	35
Dental Medicine	131	1	37	132	1	35
Oral Hygiene	129	1	37			
Bacteriology	136	3	37			
Prosthetic Dentistry	103	3	38	104	3	36
Crown and Bridge	107	3	37	108	2	35
Operative Dentistry	101	1	37	102	1	35
Operative Technic	109	1	37			
Operative Clinic				114	2	35
Pathology				129	3	35
Porcelain Technic				112	1	35
Metallurgy				132	1	35
Clinical Dentistry				106	1	35
Orthodontic Technic				118	1	35
Physiology						
Oral Surgery	129	1	32	130	1	31
Dental Medicine	133	1	32	134	1	31
Anesthetics	111	1	32	112	1	31
Orthodontia	119	1	32	120	1	31
Crown and Bridge	109	1	32	110	1	31
Operative Dentistry	103	1	32	104	1	31
Clinical Dentistry	107	1	32			
Operative Clinic	115	11	33	116	11	32
Roentgenology, Ethics, Economics Practice and Jurisprudence	122	$\frac{1}{2}$	32	123	$\frac{1}{2}$	31
<b>ECONOMICS AND SOCIOLOGY</b>						
Economic and Social History of England & U. S.	131	3	54	131	3	81
Economic Geography	133	3	53	133	3	50
Principles of Economics	135	3	398	136	3	327
Principles of Economics	136	3	30	135	3	50
Elements of Accounting	139	3	73	140	2	47
Business Law	143	2	40	143	2	22
Senior Summary in Economics	145	2	10	146	2	8
Public Finance	141	2	18			
Money and Currency	153	3	21			
Municipal Economics	155	3	15			
Commercial Policies	160	3	10			
Merchantile Institutions in Domestic Trade	161	3	29			
Corporation Economics	163	3	21			
Labor Legislation	165	3	16			
Pro Summary in Economic Theory	169	2	4	170	2	5
Principles of Accounting	171	3	16			
Economic Statistics	177	2	26			
Problems of Taxation				144	3	18
Banking and the Money Market				154	3	15
Railway Economics				167	3	24
Cost Accounting				172	3	14
Geography and History of Commerce				151	3	13
Organization and Remuneration of Labor				166	3	23
Advertising				175	3	33
Foreign Markets				162	3	14
Principles of Sociology	101	3	262	102	3	240
The Immigrant	104	3	6			
The Family	107	3	4			
Modern Charity	109	3	28			
Field Work in Sociology	115	2	9	118	2	5
Summary in Sociology	117	2	5			
Graduate Summary in Economics and Sociology	207	2	8	208	2	7
The Negro				103	3	14
The Household				120	3	6
Field Work in Sociology				116	2	3
Social Statistics				122	2	17
Criminology				110	3	19
Primitive Man in Ohio				108	1	6

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ELECTRICAL ENGINEERING</b>						
Electrical Engineering	101	5	50			
Electrical Engineering	103	2	27			
Direct Current Machinery				104	5	32
Applications of Electricity				106	1½	30
Alternating Current Circuits and Machinery				108	1½	30
Alternating Current Machinery	109	3	24			
Alternating Current Laboratory	111	3	22			
Advanced Alternating Current Laboratory				112	3	24
Electric Railways	113	2	11			
Telephony	115	1	11			
Electric Illumination	117	2	8			
Wireless Telegraphy	119	1	1			
Electrical Design	121	3	23	122	2	2
Electrical Transmission and Distribution				124	2	25
Special Reading and Laboratory	125	2	1	126	2	8
Thesis	127	1	22	128	5	23
Inspection Trip				132		58
Reading Course				136		
Advanced Laboratory				138	2	7
Advanced Alternating Current Machinery	201	2	1	202	2	1
Transient Electric Phenomena	203			204		
Advanced Alternating Current Dynamo Laboratory	205	2	1	206		
Research Work	207	6	1	208	9	1
<b>ENGINEERING DRAWING</b>						
Elementary Mechanical Drawing	101	2	292			
Mechanical Drawing				102	3	272
Descriptive Geometry	103	3	160			
Machine Sketching				104	3	84
Descriptive Geometry	105	3	56			
Advanced Descriptive Geometry				106	3	49
Descriptive Geometry	107	3	14			
Technical Sketching				110	2	43
Technical Drawing	111	2	56			
Free Hand Drawing and Lettering	113	4	15			
Mechanical Drawing				114	3	14
Charcoal from Arch. Ornament						
Pen Drawing	115	2	17	116	2	17
Water Color						
Charcoal from the Antique	117	3	22			
Technical Drawing				118	3	19
Engineering Drawing	121	2	18	122	2	17
Mechanical Drawing (Agr.)	123	2	10			
Mechanical Drawing (Home Economics)	125	2	84	126	2	93
House Planning	127	1½	103			
Lettering (Pharm.)				128	1½	97
Technical Drawing	129	1	8			
The Teaching of Mechanical Drawing	131	3	8	130	2	10
				132	3	10
<b>ENGLISH</b>						
Elementary English Composition (Short Agr.)	91	2	151	92	2	133
Paragraph Writing: Description and Narration	101	2	957	101	2	91
Paragraph Writing: Exposition and Argumentation	104	2	31	104	2	826
Descriptive & Narrative Writing: Expository Writing	106	2	43	106	2	33
Advanced Composition	107	2	42	108	2	45
Advanced Argumentative Writing	111	2	16	112	2	15
Public Speaking—Debating	121	2	94	122	2	70
Advanced Argumentation and Debate—Extempore Speaking						
	123	2	6	124	2	7
The Forms of Public Address	125	2	9	126	2	57
History of the English Language—English Words	127	2	27	128	2	7
Survey of English Literature	131	3	114	131	3	79
Survey of American Literature	134	3	50	134	3	222
The Age of Elizabeth—The Age of Milton	135	2	45	136	2	61
18th Century Essayists—19th Century Essayists	137	2	51	138	2	49
18th Century Poetry, Wordsworth and His Period	139	2	30	140	2	50
Tennyson—Browning	141	3	85	142	3	101



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ENGLISH (Concluded)						
Old English—Old and Middle English	151	3	13	152	3	11
Chaucer—English Fiction to Richardson	153	3	6	154	3	7
The Novel; Richardson to Scott—The Novel:						
Dickens to Meredith	155	3	38	156	3	42
Versification—The Short Story	157	3	19	158		27
Early Popular Drama—The Drama from 1580-1642.	165	2	16	166	2	12
Shakespeare	167	3	67	168	3	56
Modern English Drama	169	2	39	170	2	37
The Teaching of English	181	2	34	182	2	37
History of the Short Narrative in English	201	2	9			
The Lyric				202	2	3
History of Critical Theory	205	2	15			
Problems in the Drama				206	2	13
Meredith, Hardy, James	207	2	9			
Poetry and the Drama since 1880				208	2	7
English and Scottish Popular Ballads	209	2	3			
English Usage				210	2	4
Discussions of dissertations	219	2	5	220	2	5
The European History						
EUROPEAN HISTORY						
Medieval History	101	3	224			
Modern History from 1500 A. D.				102	3	217
History of England	103	3	58			
History of England (from 1485)				104	3	48
History of Greece	105	3	14			
History of Rome				106	3	31
Medieval Civilization	107	2	9	108	2	10
The Age of the Renaissance, 1250 to 1500 A. D.	109	2	8			
The Period of the Reformation				110	2	11
The French Revolutionary and Napoleonic						
Periods, 1789-1815	111	3	16			
Europe in the Nineteenth Century				112	3	31
Constitutional History of England	113	3	8			
Constitutional History of England (from 1485)				114	3	6
Northeastern Europe	117	2	9			
Europe and Asia				118	2	9
History of France	121	2	6	122	2	5
The Teaching of European History				152	2	15
Seminar in Modern European History	203	2	10	204	2	8
FORESTRY						
Introduction to Forestry	101	2	21			
Silvics				102	2	11
Forest History and Relations	103	2	15			
Agriculture and Tree Surgery				104	3	15
Silviculture	105	3	11	106	3	11
Forest Mensuration	107	4	10			
Forest Utilization and Lumbering				108	4	12
Forest Management	109	4	11			
Forest Protection	111	2	10			
Forest Craft				112	2	13
Forest Economics	113	2	12			
Forest Policy				114	2	13
Forest Products, Timber Physics, Wood						
Technology				116	4	12
Seminar	117	1	7	118	1	8
Advanced Forestry	119	5	5	120	5	5
GEOLOGY						
Physiography	101	3	112	102	3	103
Inorganic Geology	103	3	27			
Applied Geology	153	3	187			
Economic Geology	167	3	9			
Physiography of Central Ohio	111	3-5	3			
The Teaching of Physiography	175	2	1			

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>GEOLOGY (Concluded)</b>						
Glacial Geology				106	3	10
Elementary Physiography				162	4	1
General Geology (Agriculture)	151	3	143	152	3	100
Petrography				166	3	9
General Geology (Engineers)	165	3	16	168	3	56
Field Geology	105	3.5	4			
Invertebrate Paleontology	107	2.4	3	108	2.5	7
Minor Investigations and Current Literature	141a	3	6	142a	3	2
Advanced Historical Geology	201	3.5	4	202	3	24
Historical Geology				104	3	1
Areal Geology				114	3	
<b>GERMAN</b>						
Beginning German	101	4	283	102	4	240
Intermediate and Advanced	102	4		101	4	
	103	4	313	104	4	219
	104	4	313	103	4	219
Scientific Reading				106	4	103
Advanced German	107	4	26	108	4	27
Classical and Modern Writers	115	2	41	116	2	20
Schiller	117	2	25	118	2	18
Modern Drama	119	2	81	120	2	68
Conversation and Composition	131	2	49	132	2	46
Conversation	133	2	14	134	2	8
Survey of German Literature	153	3	19	154	3	17
Lessing	155	2	12	156	2	11
Romantic School	161	2	2	162	2	3
19th. Century Lyric	163	2	20	164	2	17
Advanced Composition	171	2	4	172	2	4
Teacher's Course	173	2	14			
Grammar Review				174	2	6
Middle High German	177	2	7			
History of German Language				178	2	9
Literature of the Empire	207	2	6	208	2	6
Seminar	215	2	11	216	2	10
<b>GREEK</b>						
Elementary Greek	101	4	9	102	4	10
Xenophon—Herodotus	105	4	5	106	4	4
Lysias—Plato	107	3	2	108	3	2
Ancient Art	115	2	21	116	2	17
Life and Literature of the Greeks	123	2	3	124	2	4
<b>HISTORY OF EDUCATION</b>						
History of Education	101	3	100	102	3	108
Educational Classics				106	2	1
<b>HOME ECONOMICS</b>						
Foods	101	5	91	102	5	89
Sanitation	104	3	23	104	3	55
Seminar	105	2.5	60	106	2.5	59
Teacher's	108	2	53	109	2	51
Dietetics	110	4	23	110	4	62
Textiles	111	2	110	112	2	102
Dress	113	3	33			
Dress				116	3	21
House Decoration	118	3	16	118	3	65
Household Management	119	3	19	119	3	44
Graduate Work			1			1
<b>HOMEOPATHIC MEDICINE</b>						
Materia Medica (Principles of Homeo.)	101	1	14	102	1	14
Anatomy (Histology)	137	4	14	138	4	14



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
HOMEOPATHIC MEDICINE (Concluded)						
Anatomy (Gross Anatomy)	123	6	14	124	6	14
Materia Medica (Elective Affinities)	103	1	6	104	1	6
Surgery (Homeo) Minor Surgery	101	1	6	101	1	6
Pathology (Homeo) General Pathology	121	7	6	122	7	6
Clinical Diagnosis (Physical Diagnosis)				102	3	6
Surgery (Homeo) Clinical Surgery	105	4	26	106	4	26
Clinical Diagnosis (Laboratory Diagnosis)	103	2	26	104	2	26
Internal Medicine	105	4	26	106	4	26
Eye, Ear, Nose and Throat (Elementary)	105	4	26	106	4	26
Materia Medica	105	4	26	106	4	26
Gynecology	105	4	26	106	4	26
Obstetrics				106	4	26
Surgery (Operative Surgery)	107	4	26	108	4	26
Clinical Diagnosis	105	2	19			
Internal Medicine	107	4	19	108	4	19
Internal Medicine (Pediatrics)	115	2	19	116	1	19
Internal Medicine (Diseases of Nervous System)	123	1	19	124	1	19
Eye, Ear, Nose and Throat	107	4	19	108	4	19
Materia Medica	107	2	19	108	4	19
Gynecology	107	4	19			
Obstetrics				108	4	19
HORTICULTURE						
Pomology	105	4	46	106	4	35
Pomology	113	4	12	114	4	19
Plant Variations	107	3	21			
Experimental Horticulture	109	3	27	110	3	24
Graduate Students			3			3
Winter Course in Agriculture		5	33			
Pomology				118	4	142
Principles of Horticulture	101	4	42	102	4	36
Vegetable Gardening	103	4	42	104	4	41
Vegetable Gardening	115	4	8	116	4	8
Landscape Gardening				108	3	45
Floriculture				119	3	9
Horticultural Plant Forms	51	4	13	52	4	11
Principles of Horticulture	53	4	13	54	4	11
INDUSTRIAL ARTS						
Tools and Machines				101	3	2
Designing				103	1	2
Machine Designs				112	2	25
Shop Buildings				114	2	15
Carpentry	101	2	111	102	2	83
Forging	103	2	111	104	2	82
Foundry Work	105	2	36	106	2	11
Chipping and Filing	107	2	26	108	2	16
Joinery and Pattern Making	109	2	48	110	2	25
Advanced Pattern Making	111	1	24	112	1	9
Cabinet Making	113	2		114	2	5
Forging	115	2	24	116	2	68
Advanced Forging	117	2	1	118	2	1
Machine Work	119	3	46	120	3	26
Advanced Machine Work	121	3	24	122	3	29
Advanced Machine Work	123	2		124	2	1
Construction Work	125	2		126	2	
Tool-making	127	3	1	128	3	2
Woodturning and Pattern Making	129	3	3	130	3	2
Advanced Cabinet Work	131	3		132	3	6
Elementary Woodwork	133	2		134	2	3
JOURNALISM						
News Collecting and News Writing	101	3	21	102	3	25
Newspaper Practice	105	3	15	106	3	16
Newspaper Problems	109	2	10	110	2	9

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>LATIN</b>						
Cicero—Horace (Odes) Livy or Sallust	101	4	36	102	4	33
Pliny, Catullus; Plautus and Terence	103	3	21	104		17
Romance Satire; Horace; Cicero, De Natura Deorum	105	2	12	106	2	10
Roman Private Life	107	1	7	108	1	8
Roman and Comparative Literature	111	1	11	112	1	9
Pro Seminar	113	3	10	114	3	9
Latin Prose Composition	115	3	12	116	3	11
Historical Latin Grammar; Sounds and Inflections	123	1	6	124	1	5
Historical Latin Grammar; Syntax	125	1	7	126	1	6
Advanced Latin Composition	119	1	1	120	1	1
Roman Prose Writers and Roman Poets	121	2	4	122	2	4
Beginning Latin and Caesar	147	4	10	148	7	4
Cicero's Orations and Virgil's Aeneid	149	4	5	150	4	4
Roman Religion and Epigraphy	201	2	1	214	2	1
<b>LAW</b>						
Equity		4	53			
Practice		2	53			
Bankruptcy		1	32			
Elementary Law		3	90			
Public Corporations					3	49
Practice					2	48
Brief making					2	43
Trusts					2	32
Court of Appeals and Supreme Court Practice					1	19
Legal Ethics 5 Lectures						47
Contracts		3	92			
Quasi Contracts		2	62			
Private Corporations		2	54			
Contracts					3	77
Wills					2	60
Private Corporations					2	50
Equitable Remedies					2	42
Property						
Bailments		2	93			
Negotiable Instruments		2	58			
Federal Jurisdiction		3	64			
Agency					2	26
Sales					2	81
Property IV					2	51
Constitutional Law					3	55
Criminal Law		3	50			
Property III		2	51			
Torts		3	59			
Damages					3	89
Partnership					2	52
Torts					2	55
Conveyancing		2	90			
Judgments		2	27			
Domestic Relations		2	23			
Suretyship					2	82
Property II					2	58
Evidence		2	59		2	89
Code Pleading		3	60		2	58
Common Law Pleading and Procedure					2	82
<b>MANUAL TRAINING</b>						
Teaching of Manual Training	111	3	3			
Materials, Methods, and Equipment				112	3	6
Constructive Design	117	2	3	118	2	3
Constructive Design				117	2	1
Hand Work for Supervisors	121	2	13	122	2	9
<b>MATHEMATICS</b>						
Plane and Solid Geometry	113	5	7	114	5	4



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>MATHEMATICS (Concluded)</b>						
College Algebra and Trigonometry.....	121	3	110			
Short Course in Differential Calculus.....	127		13			
Plane Trigonometry and College Algebra.....	131		339	131	5	37
College Algebra and Analytic Geometry.....	132		43			
Differential Calculus.....	141		21	141		43
Integral Calculus.....	142		28	142	5	192
Modern Higher Algebra.....	173		11	174	3	5
Differential Equations.....	151		28			
Differential Equations.....	167	5	168			
Teachers' Course.....	175	6	176			
Plane and Solid Analytic Geom. (Advanced).....	163	5				
Functions of a Complex Variable.....	201d	2		202d	3	2
Fourier's Series and Special Harmonies.....	201g	3				
Calculus of Variations.....	201	2		202	3	2
Plane Trigonometry and Analytic Geometry.....				122	3	81
Plane Trigonometry and Analytic Geometry.....				132	5	239
Short Course in Integral Calculus.....				128	3	11
Modern Geometry.....				164	3	4
Vector Analysis.....				202v	3	
Differential Geometry.....				202	3	1
<b>MECHANICAL ENGINEERING</b>						
Mechanism.....	101	3	37			
Steam Power Plants.....	103	3	81			
Mechanism and Machine Design.....				110	3	7
Mechanism.....				114	3	28
Mechanism Drawing.....				116	1	28
Steam Engines.....				118	3	65
Steam Boilers.....				120	1	27
Heating and Ventilating.....	121	2	7			
Materials of Construction.....	123	2	11			
Gas Engines and Producers.....	125	2	40			
Machine Design.....	127	5	51			
Thermodynamics.....	129	2	32			
Inspection Trip to the West.....				132		54
Mechanism and Machine Design.....				140	2	0
Hydraulic Machinery.....				142	2	29
Machine Design.....				144	5	47
Steam Turbines.....				146	2	14
Thesis.....				148	3	30
Hydraulic Power.....				150	3	25
Experimental Engineering Laboratory.....				160	2	30
Experimental Engineering Laboratory.....	171	4	0			
Experimental Engineering Laboratory.....				164	2	26
Experimental Engineering Laboratory.....	173	5	23			
Experimental Engineering Laboratory.....	175	3	26			
Experimental Engineering Laboratory.....	179	2	33			
Experimental Engineering Laboratory.....				190	6	30
Experimental Engineering Laboratory.....				192	3	9
<b>MECHANICS</b>						
Statics and Strength of Materials.....	101	5	152			
Strength of Materials, Kinetics & Hydraulics.....				102	5	114
Strength of Materials.....				104	2	28
<b>MEDICINE</b>						
Gross Anatomy.....	121	6	40	122	4	29
Organic Chemistry.....	115	5	40			
Neurology.....				136	4	29
Histology and Embryology.....	133	6	40	134	4	29
Material Medica.....				102	2	29
Applied Anatomy.....	127	3	82			
Bacteriology.....	101	5	82			
Material Medica.....	109	3	82			
Minor Surgery.....	103	2	82			

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>MEDICINE (Concluded)</b>						
Physiology	121	5	82	122	5	76
Pathology				102	7	82
Pharmacology				104	5	76
Embryology						82
Chemical Physiology						76
General Surgery	101	3	61	102	3	60
Genito-Urinary	105	1	61			
Anesthesia	107	1½	61			
Surgical Conference Clinic	109	1½	61	110	1	60
Ophthalmology	101	2	61			
General Medicine	101	4	61	102	4	60
Medical Conference Clinic	111	1	61	112	1	60
Physical Diagnosis	107	2	61			
Electro-Therapeutics	109	1½	61			
Nervous Diseases				106	2	60
Dermatology				108	1½	60
Obstetrics	101	1	61	102	1	60
Diseases of Women				104	2	60
Clinical Microscopy	105	1	61	106	1	60
Surgical Pathology	103	2	61			
Serum Therapy				112	1	60
Applied Therapeutics	113	1	61	114	1	60
Preventive Medicine						60
Dispensary	101	2	61	102	2	60
General Surgery	113	2	47	114	2	47
Surgical Gynecology	115	1	47			
Proctology				126	1½	47
Surgical Conference Clinics	127	2	47	128	2	47
Otology	105	1	47			
Nose and Throat				104	1	47
General Medicine	113	1	47	114	1	47
Preventive Medicine			47			
Pediatrics	117	2	47			
Psychiatry				118	1	47
Medical Conference Clinics	119	2	47	120	2	47
Obstetrics	105	2	47	106	3	47
Hospital	101	3	47	102	3	47
Dispensary	103	2	47	104	2	47
Orthopedic Surgery				116	1	47
Special Lectures						
<b>METALLURGY</b>						
Metallurgy of Non-Ferrous Metals				110	4	9
Metallurgy of Chem. and Steel Fuels	109	4	75			
Fire Assay	105	3	8			
Metallurgical Analysis	107	4	10			
Alloy Analysis				106	4	14
Gas Analysis				112	2	12
Metallurgy (Special Metallurgy)				114	2	7
Metallurgical Construction	111	1	4			
Ceramic Analysis	101	4	20	102	4	18
<b>METEOROLOGY</b>						
Elementary Meteorology	101	2	174			
Agricultural Meteorology				102	2	9
<b>MILITARY SCIENCE AND TACTICS</b>						
Course No. 1 for freshmen—Practical and theoretical military work—close order—ceremonies	1	1	1010	1	1	908
For sophomores—practical and theoretical military work—extended order and field service	2	1	580	2	1	503
For officers—practical work on field and school—practical problems	3		60	3		65



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total Number of Students in all Sections	Course Number	Credit Hours	Total Number of Students in all Sections
<b>MINE ENGINEERING</b>						
Mine Engineering	101	5	2	102	5	3
Mine Engineering	103	4	28	104	4	4
Mine Engineering	105	5	4	106	5	4
Mine Engineering	107	2	2			
Mine Engineering	109	1	10	110	1	16
Mine Engineering				116	3	3
Mine Engineering						
Metallurgy	111	2	4			
Mathematics	101	2	12	102		13
<b>MINERALOGY</b>						
Crystallography and Mineralogy				102	3	20
Crystallography and Mineralogy				102	3	41
Determinative Mineralogy				104	3	9
Microscopic Mineralogy	121	3	5	121	3	4
<b>PHARMACY</b>						
Theory and Practice of Pharmacy	101	5	45			
Operative Pharmacy				102	5	39
Pharmaceutical Chemistry	103	5	33			
Extemporaneous Pharmacy & Prescription Practice				104	6	33
Materia Medica	105	3	33	106	3	33
Pharmaceutical Assaying	107	5	10	108	5	8
Pharmacognosy	109	3	36	110	3	38
Pharmacognosy	111	3	9	112	3	10
Pharmaceutical problems	113	1	38			
Toxicology				114	3	37
Preparation and Application of Physiological Reagents				116	2	39
Pharmaceutical Latin	117	4	24	118	4	33
<b>PHILOSOPHY</b>						
Logic and Introduction to Philosophy	102	3	78	101	3	85
The History of Philosophy	151	3	38	152	3	29
Advanced Ethics	111	2	6	112	2	10
Aesthetics	115	2	12	116	2	7
The Philosophies of Kant and Hegel	137	2	4	138	2	5
Metaphysics	121	2	8	122	2	9
Graduate Seminar	201	2	3	202	2	3
Contemporary Philosophy	207	3	3	208	3	3
<b>PHYSICAL EDUCATION</b>						
Physical Education } Personal Hygiene {	1	1		1	1	
Men and Women	1a		1563			1627
Physical Education—advanced course	2	1½	14	2		8
<b>PHYSICS</b>						
Elementary Physics	101	6				
General Physics	103	4		104	4	
General Physics	105	4	43	106	4	35
General Physics (for premedical students)	105	3	34		1	20
Forestry Physics				108	3	7
General Physics	111	3	126	112	3	134
General Physics, Mechanics and Heat	114	5	104	112	5	48
General Physics, Electricity and Sound						
Physics Problem (only)	115	2	2	116	2	1
Teaching of Physics				120	2	0
Physics Laboratory	121	3-5	3	122	3-5	3
Advanced Laboratory	123	3-5	9	124	3-5	3
Physics Laboratory	133	2	50			
Physics Laboratory				134	4	50

## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sessions	Course Number	Credit Hours	Total No. of Students in all Sections
PHYSICS (Concluded)						
Physics Laboratory .....	135	5	36			
Physics Laboratory .....	137	3-5	0			
Physics Laboratory .....				138	2	36
Advanced Physical Laboratory .....	139	3-5	0	140	3-5	3
Molecular Physics & Conduc. Elec. through Gases .....	141	3	0	142	3	3
Physical Seminar .....	145	1	0	146	1	0
Research Laboratory .....	201	3-5	0	202	3-5	0
Theory of Electricity and Magnetism .....	207	3	0	208	5	0
Theory of Oscillations with Applications to Wire- less Telegraphy .....	211	2	3	212		3
Optometry .....				101	5	10
Optometry .....				103	4	10
Optometry .....				105	2	9
PHYSIOLOGY						
General Physiology .....	101	3	424	102	3	407
General Physiology .....	119	3	39	120	3	31
Advanced Physiology .....	109	3	8	110	3	6
Histology .....	105	5	67			
Histo-Chemistry .....				106	5	61
Veterinary Physiology .....				114	3	69
Physiology—Short Courses .....	107	3	18			
POLITICAL SCIENCE						
Constitutional Government (1) .....	101	3	62	102	3	58
Constitutional Government (Trailer) .....				101	3	11
Municipal Government .....	106	3	10			
Municipal Administration .....				130	3	12
Elements of Jurisprudence .....	125	3	5			
International Law .....				126	3	3
Problems in English Politics (1) .....	127	1	3	128	1	4
Legislation .....	131	2	9			
Administration .....				132	2	18
History of Political Theories .....	129	3	2			
The Government of Ohio .....				109	3	3
Proseminar in Political Science (1) .....	117	2	5	118	2	3
PRINCIPALS AND PRACTICE OF EDUCATION						
Principals of Education .....	101	3	5			
Biological Principles in Education .....	105	3	22			
Observation and Practice Teaching .....				104	3	75
The Science of Human Behavior .....				106	3	16
PSYCHOLOGY						
Elementary Psychology .....	101	3	430	102	3	409
Elementary Psychology .....	102	3	17	101	3	99
Educational Psychology .....	107	2	96	108	2	97
Educational Psychology .....	107	2	40			
Experimental Psychology .....	111	3	11	112	3	11
Experimental Psychology .....	112	3	2	111	3	7
Mental Development .....	115	2	16	116	2	14
Animal Psychology .....	119	3	1			
Anbormal Psychology .....	121	4		122	4	
Social Psychology .....	125	3	32			
Folk Psychology .....				126	3	20
Advanced Psychology .....	129	2	7	130	2	8
Individual Psychology .....	133	2-4	5	134	2-4	6
Minor Problems .....	141	2-4	3	142	2-4	3
Major Problems .....	201	3-10	3	202	3-10	4



## APPENDIX IV—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ROMANCE LANGUAGES						
Elementary French .....	101	4	361	102	4	296
Modern French Literature .....	103	4	195	104	4	162
Advanced French Prose Composition .....	107	2	27			
History of French Literature .....				108	2	16
Seventeenth Century French Drama (Moliere and Corneille) .....	109	3	39			
Seventeenth Century French Tragedy and prose .....				110	3	32
Eighteenth Century French Drama .....	111	3	7			
Nineteenth Century French Drama .....				112	3	7
Eighteenth Century French Prose .....	115	2	14			
Advanced Conversational Practice in French .....				116	2	21
French Seminar A .....	117	2	12	118	2	12
French Seminar B .....	119	2	7	120	2	5
The Teaching of French .....				122	2	5
The Italian Novel .....	103	2	5			
Dante: Inferno and Paradise .....				104	2	7
Elementary Spanish .....	101	4	148	102	4	125
Modern Spanish Literature .....	103	4	18	104	4	16
Cervantes: Don Quijote .....	105	2	5			
Lope de Vega and Calderon .....				106	2	4
Introduction to Romance Philology .....	201	2	2	202	2	2
Research in Spanish Literature .....	209	3	5	210	3	5
RURAL ECONOMICS						
Farm Accounts and Records .....	101	2	16	101	2	34
Farm Management .....				102	4	54
Farm Management .....	103	4	124			
Agricultural Economics .....				104	3	104
Historical and Comparative Agriculture .....	105	3	2			
Research Work for Graduate Students .....				108	5	6
Rural Community Life .....				110	3	9
Thesis .....		5	1		5	1
Winter Course Farm Management .....		4	104			
SCHOOL ADMINISTRATION						
Public Education in America .....	101	3	77			
State School Administration .....				102	3	69
Secondary School Administration .....	111	3	22	112	3	14
Comparative School Administration .....	105	5	2			
Comparative School Administration .....	106	5	1			
Teaching of Agriculture in the High School .....				121	2	15
Elements of General Agriculture .....	123	3	2	124	3	2
History of Agriculture Education .....	127	2	2			
VETERINARY MEDICINE						
Anatomy .....	101	6	72	102	10	62
General Pathology .....	105	5	53			
Materia Medica .....	107	3	52	108	5	48
Anatomy .....	103	8	52			
General Surgery .....				120	3	57
Medicine .....				126	5	108
Pathology Lab .....	113	3	48	112	3	61
Parasitology .....				114	1	56
Clinic, Small Animals .....	119	1½	49	118	1½	95
Clinic, Large Animals .....	123	1½	49	124	1½	95
Horseshoeing .....	109	3	54			
Obstetrics .....	111	3	52			
Physical Diagnosis .....	127	3	43			
Canine Diseases .....	115	2	45			
Operating .....	125	1	45	116	2	47
Operating .....	121	1	45			
Surgical Diseases .....				132	5	49
Meat Inspection .....				122	2	48
General Therapeutics .....				128	2	47
Ophthalmology .....				130	1	46

## APPENDIX IV—(Concluded)

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
VETERINARY MEDICINE (Concluded)						
Applied Regional Anatomy .....				134	2	13
Winter Course in Agriculture (8 weeks) .....		3	47			
Winter Course in Dairying (4 weeks) .....		4	44			
Vet. Med. For Agricultural Students .....	151	3	80			
ZOOLOGY AND ENTOMOLOGY						
Elementary Zoology .....	101	3	487	102	3	395
Economic Entomology .....	107	3	211	108	3	181
Systematic and Practical Entomology .....	109	3	45	110	3	20
Parasites of Domestic Animals .....	111	1	16			
Apiculture .....				112	3	21
Special Entomology .....	113	4	14	114	4	10
Invertebrate Morphology and .....	121	3-5	7	122	3-5	5
Invertebrate Zoology (Graduate) .....	247	5	7	248	5	5
Quantitative Studies .....	129	2	14	130	2	9
Evolution .....				132	3	4
Advanced Entomology .....	137	3-5	7	138	3-5	7
Ornithology .....	139	2	11	140	3	10
Seminar .....	143	1	15	144	1	14
Teachers Course .....	145	2-3	1	146	2-3	1
Entomological Literature .....	147	2	6			
Entomology—Taxonomy .....				148	2	8
Medical Entomology .....	149	3	5			
Forest Entomology .....				150	3	10
Entomology—Insect Control .....	151	3	4	152	3	5
Research Work (Graduate) .....	241	5-10	7	242	5-10	7



\*SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

[illegible]

## APPENDIX V—Concluded

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915
Doctor of Dental Surgery.....																																						32
Doctor of Medicine.....																																						62
Juris Doctor.....																																						6
Bachelor of Laws.....															9	18	15	16	6	23	22	21	25	17	26	20	11	15	17	26	15	16	22	3	4	3	2	6
Master of Laws.....															2	4	2		6							2	3	1									18	
Totals.....	6	7	9	8	9	11	12	16	18	24	28	26	30	36	61	79	70	112	118	135	126	99	137	135	141	170	194	209	225	249	287	333	370	422	501	515	649	793
Degrees conferred during the year as of the class of.....															1												6	0	5	6	5	15						
Totals.....																										200	209	230	255	292	348							

\*Statistics given prior to 1904 covered only the degrees granted at the Commencement.



# APPENDIX VI

## SHOWING THE NUMBER OF STUDENTS IN THE GENERAL, TECHNICAL AND PROFESSIONAL COURSES

	1890-91	1891-92	1892-93	1893-94	1894-95	1895-96	1896-97	1897-98	1898-99	1899-1900	1900-01	1901-02	1902-03	1903-04	1904-05	1905-06	1906-07	1907-08	1908-09
General Courses (College of Arts) .....	137	151	194	245	256	322	327	358	371	419	439	403	490	496	490	551	572	630	714
Technical Courses (other Colleges, except Law) .....	166	259	381	368	424	453	453	511	541	603	771	888	1,039	1,135	1,129	1,262	1,280	1,436	1,626
Professional Courses (College of Law) .....		55	67	72	65	100	132	148	191	201	220	188	166	171	179	162	153	138	132
*Graduate students and summer school .....	2			1		94	97	133	75	45	51	49	62	108	54	240	339	379	458
†Summer school (shopwork) .....															74	75	81	80	90
Lake Laboratory (summer) .....												19			32	26	19	26	32
Totals .....	305	465	642	686	745	969	1,019	1,150	1,178	1,268	1,481	1,547	1,757	1,933	1,958	2,316	2,444	2,689	3,052
Names counted twice .....																159	167	216	258
Net Total .....																2,157	2,277	2,473	2,794

\*Until 1896, graduate students have been included in the first three classes.

†Until 1904, summer term students in shopwork have been included with graduate students.

## APPENDIX VI—Concluded

SHOWING THE NUMBER OF STUDENTS IN THE GENERAL  
TECHNICAL AND PROFESSIONAL COURSES

	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914	1914-1915
General Courses (Colleges of Arts and Education).....	845	865	962	1,009	1,139	1,494
Technical Courses (Other Colleges, except Dentistry, Homeopathic Medicine, Law and Medicine).....	1,643	1,780	1,979	2,106	2,392	2,373
Professional Courses (Colleges of Dentistry, Homeopathic Medicine, Law and Medicine).....	181	170	185	198	187	615
Graduate Courses (Graduate School).....	96	70	97	128	133	185
Summer Session.....	606	617	738	575	671	926
Lake Laboratory (Summer).....	36	22	28	25	32	14
Winter Courses.....	159	183	273	227	203	187
Total.....	3,566	3,707	4,262	4,268	4,757	5,794
Names counted twice.....	291	268	334	299	322	462
Net total.....	3,275	3,439	3,928	3,969	4,435	5,332



## APPENDIX VII

## SHOWING DEGREES AND CERTIFICATES GRANTED IN 1915

## GRADUATE SCHOOL

## DOCTOR OF PHILOSOPHY

John Bernard Parker, B. A., M. A.

## MASTER OF ARTS

- |  |  |
|--|--|
| Harry H. Baumgardner, B. A.                | Morgan Gen Louis,                      |
| Ariel Amos Benedict, B. A.                 | (Central Nor. College, China)          |
| (Ohio Wesleyan University)                 | Vera Marion McCoy, B. Sc. in Education |
| Ellis Moore Black, B. A.                   | Carl Raymond McCrosky, B. A.,          |
| Erwin Herbert Bohm, B. A.                  | (Ohio Wesleyan University)             |
| Rive-King Bowman, B. A.                    | Henry Max McLaughlin, B. Sc.,          |
| Mary Burr, B. A.                           | (Ohio University)                      |
| (University of Michigan)                   | Gustav Adolf Meckstroth, B. A.         |
| Harvey Durell Chase, B. A.,                | Gino Vincent Medici de Solenni, B. A.  |
| (Ohio Wesleyan University)                 | Clara Fisher Milligan, B. A.           |
| John Ellsworth Clum, B. A., M.             | Helen Morningstar, B. A.               |
| A., (Heidelberg University)                | Charles Stephen Morris, B. A.,         |
| John Charles Cone, B. Ph.                  | (Manchester College)                   |
| Shirley Jay Coon, B. A., (Beloit College)  | Donald Gildersleeve Paterson, B. A.    |
| Lloyd De Witt Copeland, B. S.,             | Franklin Harvey Randall                |
| (Muskingum College)                        | Bernard Raymund, B. A.                 |
| Carleton Edgar Curran, B. A.,              | Esther Rice, B. A.                     |
| (Wabash College)                           | Arthur Edwin Santschi, B. A.,          |
| Paul Arthur Davis, B. A.                   | (Miami University)                     |
| Verona Mae Dollinger, B. Sc. in Education  | Arthur Augustus Schwartz, B. A.        |
| Abram P. Dummar, B. A.                     | Albert Ray Shadle, B. A.               |
| Walter French, B. A.                       | Lee Irvin Smith, B. A.                 |
| Esther Lucilla Gatewood, B. A.             | Roger Cletus Smith, B. A.              |
| Adam Raymond Gilliland, B. A.              | (Miami University)                     |
| (Muskingum College)                        | Hugh Allen Snapp, B. A.                |
| Adin A. Grubb, B. S., (Denison University) | (Heidelberg University)                |
| Ruth Bessie Habercorn, B. A.               | Gebhard Stegeman, B. A. (Hope College) |
| Harold Sherman Huffman, B. A.              | Louise Elliott Stewart, B. L.,         |
| Garbis H. Keulegan, B. A.                  | (Ohio Wesleyan University)             |
| Mary Elizabeth Kline, B. A.                | Lulu Strader, B. Sc. in Home Economics |
| B. Sc. in Education                        | John Turkopp, B. A.                    |
| Margaret Amanda Knight, B.                 | Harvard Forrest Vallance, B. A.        |
| A., (Vassar College)                       | Walter Crothers Weidler, B. A.         |
| Alma Elizabeth Kropp, B. A.                | Otto Francis Wilkinson, B. A.          |
| Webster Sherburn Krout                     | Alice Townshend Wing, B. A.,           |
|  | (Vassar College)                       |

## MASTER OF SCIENCE

Frank Benjamin Dunn, B. Sc., (Imperial Polytechnic Col.)	Frank Heidtman Lathrop, B. Sc. in Agriculture (Clemson Agriculture Col.)
Roy Davis Fritz, B. Sc. in Chemical Engineering	Herman Lebeson
Joseph Harvey Gourley, B. Sc. in Horticulture and Forestry	Quincy Allen Main, B. S., (Denison University)
Robert Watchorn Harris, B. S., (Hiram College)	Marcellus Albert Muskopf, B. A., (Otterbein University)
Joseph Peter Hershberger, Jr., B. Sc. in Agriculture	Paul Epworth Sprague, B. Sc. in Chemical Engineering
Adam Joseph Keller, B. Sc. in Pharmacy	Harry Mayer Udovitch, B. Sc. in Forestry
	Malon Yoder, B. Sc. in Agriculture (Purdue University)

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## As of the Class of 1914

## MASTER OF ARTS

Madge De Vore, B. A., (University of Cincinnati)	Marie Jeannette Kampmann, B. A.
Charles Gay Dishong, B. Sc. in Education	Edward Kintner, B. A., (Manchester College)
George Wollam Gorrell, B. A., (Ohio Wesleyan University)	Paul Lamb Schacht, B. A., Capital University)
Ruth Frances Johnstin, B. A., (Penn. College for Women)	Ernest Seigfried, B. A.

## MASTER OF SCIENCE

Fred Edwards Perry, B. A., (Ohio Wesleyan University)	Enest Basil Hawes, B. Sc. in Agriculture
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## COLLEGE OF AGRICULTURE

## BACHELOR OF SCIENCE IN AGRICULTURE

Lawrence William Adam	Harry Pennybacker Curtis
Herbert Leo Andrew	William Stewart Davis
Harry Atwood	Clarence Arthur Dawson
Howard Baker	Clyde Evert Dike
John Linus Bard, Jr.	Floyd Waldo Duffee
John Orville Barkman	Donald Scott Durnell
Albert Otto Becker, B. A.	Robert Barclay Dustman
Ira Willard Beerbower	Lee Elmer Earnhart
Archie Jacoby Bishop	Karl Friedrich Eichhorn
William Wallace Blair, B. S., (Hiram College)	Daniel Haydn Evans
Glen Alvin Boger	Carl Wilbur Farison
Hubert Wilber Bower	Clifford J. Fawcett
Boyce Emerson Bradford	William Otto Frohning
Earl Chenault	Arthur Harrison Gaberel
Hubert Conarroe	Raymond C. Gauch
Arthur Jay Copeland	Clair Elroy George
Raymond Elsworth Copeland (As of the Class of 1914)	Robert Collacott Goldbach
Frederick Wines Cowles	Gus Fred Goldsmith
	Oliver Gossard
	Charles Marlowe Hampson



Kenneth Gibson Hancher	George Othneil Reed
John Carl Heckler	Henry Jonathan Reinhard
Bernard Robert Higley	David Charles Reisling
Ernest Rollen Hoftzyer	Howard Joseph Rice
Kenneth Nelson Hough	Leonard Anthony Richardson, B. A., (Bucknell University)
Aden Franklin Huber	Glen Gerald Roberts
Walter Ford Jackson	Ralph Augustus Routsong
Harvey Frank Johnson, B. S., (Ohio Wesleyan University)	James Blaine Royon
Roy Wilbur Kelley	Leo Leavitt Rummell
Arthur Chester Kennedy	Ernest Leroy Saul
Albert Charles Kette	Fred Samuel Schrock
Edwin Askam King	Frederick Fenner Searle
John Wesley Kyle	Raymond Ezra Shook, B. A.
Willis Carl Lane	Lyman Mulford Silver
George Gun Law	Harry Ulrich Simmermacher
Herman Lebeson	Stanley Ben Sink
Fred Columbus Liles	Arthur Henry Smith
John Virgin Lowe, B. Ped., M. Ped., (Ohio Northern University)	Olin Hugh Smith
Charles Everett McAnall	Paul Smith
Leo Patrick McCann	Raymond Sergeant Smith
Elias Glen McCoy	John Milton Snow
William Emory Meeker	Edward Lindsay Steele
James Ellsworth Mensching	Ivan H. Steffy
Eric George Mullington	Harry Gould Stevens
Clifford Harris Moss, B. S., (Otterbein University)	Hugh Albert Stevens
Virgil Linhart Overholt	Harry Omar Stout
Allen Ellsworth Parker	Horace Henry Stueve
Francis Nathaniel Pattengell	Ka Chang Tong
George Washington Peters	Henry Lawrence Wenner
Samuel William Phillips	Thomas Adelbert Wheeler
William Glenroy Phillips	Edgar Gregory Will
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#### DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

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Herbert Henry Kettler

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##### DOCTOR OF DENTAL SURGERY

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Mary Mildred Kelso	Ruth Wilhelm
Gladys Laughlin	Leona Iola Will
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## BACHELOR OF SCIENCE IN EDUCATION

## As of the Class of 1914

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William Arthur Foster	(Tri-State College)
	Elsie Jane Newton

## COLLEGE OF ENGINEERING

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in Education	Gordon Laidlaw Smith
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Harold Howard Hanna	Julius Miller
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## BACHELOR OF CHEMICAL ENGINEERING

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## CIVIL ENGINEER

Vaughn Davis Gorsuch  
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James Harper Barse	Carl Calloway Pavey
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Wayland William Cowle	Carleton David Powell
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Whitney Guy Hunter	Roy Benham Shanck
Paul Scott Jones	Hilmer Gerard Siek
Carl Coulson Keller	Joseph Kirk Swigart
Raymond Andrews Miles	Panfilo Trombetta
Lloyd Edgar Miller	Richard Pearson Wuichet

## MECHANICAL ENGINEER IN ELECTRICAL ENGINEERING

Robert Bruce Little	As of the Class of 1907
George Alvin Johnson	As of the Class of 1914

## BACHELOR OF MECHANICAL ENGINEERING

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John Fredrick Buehner	Lloyd Wheaton Ganschow
Rollin Edward Cook	John Joseph Gordon, Jr.



Fredrick William Herbst, Jr.  
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As of the Class of 1914

Ellsworth Harold Shiver

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## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1914

## BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

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 John Pfeiffer Smoots

Arthur Ross Willis

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Thomas Edward Mullin

## MECHANICAL ENGINEER

Nathan Clair Durrant

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 William Jacob Hultenschmidt  
 Carrie Inez Hyatt  
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 Moses Thomas Knappenberger  
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Leo Clair Neiswander  
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## COLLEGE OF LAW

## JURIS DOCTOR

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 Arthur Seward Burkett, B. A.  
 Ralph Goodell Martin, B. A.  
 Edmund Leslie Nichols, B. A.

Henry Lee Phillips, B. A.  
 Dana Farnum Reynolds, B. A.,  
 (University of Akron)

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 Sc. (Mt. Union College)  
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 (Marietta College)  
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## DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

## BACHELOR OF SCIENCE IN PHARMACY

As of the Class of 1914

John Edward Norman



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DOCTOR OF VETERINARY MEDICINE

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Jay Hazle Bennett  
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Bryon Hulbert Newell  
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Mathew Louis Weaver  
Frank Elmer Wells, B. Sc. (Otterbein University)  
Wallace LeRoy Williamson  
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## PROFESSIONAL CERTIFICATES

## CERTIFICATE IN LAW

Clarence Ulmond Ahl  
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Lee Charles Hinslea  
Francis Edmund Hunter  
Frank Charles Ludwig  
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William Allen Rogers  
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Charles Agnew Schwenker  
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## CERTIFICATE OF PHARMACEUTICAL CHEMIST

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Raymond Burt Bloom  
Edward Herman Bretschneider B. Sc. in  
Agriculture  
Harold Aten Bulger  
Forest Edward Deeds  
Charles Maurice Elder  
Crystal Dell Frankenberg  
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George Clifford Hayman  
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